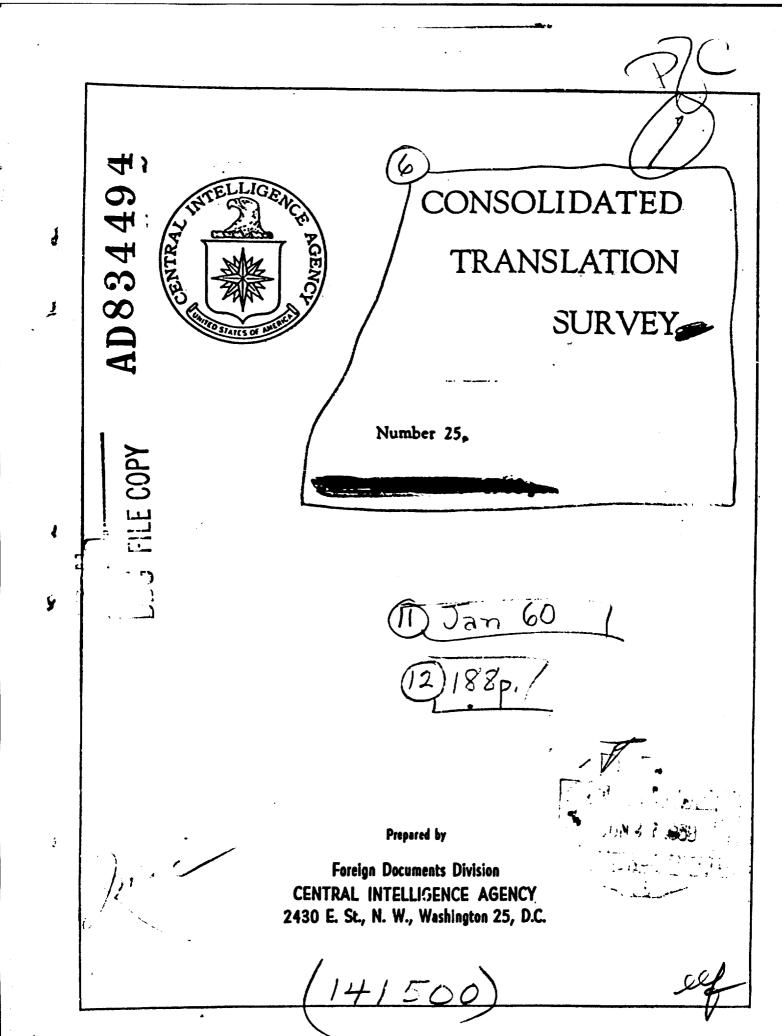
# UNCLASSIFIED

# AD NUMBER AD834494 NEW LIMITATION CHANGE TO Approved for public release, distribution unlimited **FROM** Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Jan 1960. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505. **AUTHORITY** CIA ltr, 7 Sep 2004



# BEOT

# 

COPY

# CONSOLIDATED TRANSLATION SURVEY

# FOR JANUARY 1960

OF CONTENTS	
	Page
Notes concerning the Survey	c
Abbreviations used in the Survey	đ
Requests for copies	е
UESR	N.
Economic	1
Political	<u>li</u>
Military	12
Geographic	17
Sociological	18
Biographic	21
Eastern Europe	
Economic	22
Political	43
Military	43
Sociological	14.14
Geographic	47
Biographic	47
Northern Europe	
Economic	48
Military	48
Geographic	48
Near East/Africa	
Economic	49
Political	50
Military	51
Geographic	51
Far East	
Economic	52 58
Political	58 64
Military	
Geographic	65 66
Sociological	66

	Page
Western Europe	
Economic	71
Political	· · · · · · · · · · · · · · · · · · ·
Military	73
Geographic	73
Sociological	73
Latin America	
Political	74
Military	74
Scientific	
Aeronautics	75
Astronomy	76
Biology	82
Chemistry	84
Electricity	105
Electronics	106
Engineering	114
Fuels	121
Geophysics	155
Mathematics	130
Medicine	131
Minerals/Metals	149
Nuclear Physics	155
Physics	159
Space Research	1 <b>6</b> 8
Miscellaneous	170
Author Index	172
Cover-to-Cover Translations	186

ţ

# CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (\*).

# **ABBREVIATIONS**

ACSI Assistant Chief of Staff, Intelligence, Dept of Army

AEC Atomic Energy Commission

AF Dept of Air Force

ATBS American Institute of Biological Sciences

AIP American Institute of Physics

AMS Army Map Service

APL Applied Physics Laboratory

ARDC Air Research and Development Command
ATIC Aerospace Technical Intelligence Center

ATS Associated Technical Services
BISI British Iron and Steel Institute
BuShips Bureau of Ships, Dept of Navy

CB Consultants Bureau

CCT Consultants Custom Translations
Co-op Tr Sch Co-operative Translations Scheme
EDC Estimated date of completion

525th MI Gp 525th Military Intelligence Group, Dept of Army

FBIS Foreign Broadcast Information Service

HB Henry Brutcher

ID Intelligence Document

JPLAI Jet Propulsion Laboratory, Astronautics Information

JPRS Joint Publications Research Service

LC Library of Congress
LLU Lending Library Unit
MDF Morris D. Friedman
MEB Mark E. Burgunker

MIT Massachusetts Institute of Technology NASA National Aeronautics Space Administration

NIH National Institutes of Health

NRL Naval Research Laboratory, Dept of Navy

NSF National Science Foundation
OIN Ordnance Intelligence Number

ONI Office of Naval Intelligence, Dept of Navy
OTIA Ordnance Technical Intelligence Agency

PP Pergamon Press PS Primary Sources

RIS Research Information Service

Sci Mus Lib Science Museum Library

USACRAPAC US Army Command Reconnaissance Activities Pacific Command

USASIA US Army Signal Intelligence Agency

USDA US Department of Agriculture
USIS US Information Service

\* (asterisk) projects in process

# REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organizations.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington, DC.

Addresses of producers, whose listings are included in this issue follow:

ACSI
AMS
Corps of Engr
ID
OTIA
USASIA
USACRAPAC, PD

Department of the Army Assistant Chief of Staff, Intelligence Intelligence Documents Branch Washington 25, DC

Requests from non-government sources for Army documents should be ordered through:

Chief, Office of Technical Services Technical Information Division Acquisitions Branch Department of Commerce, Commerce Annex 1 Washington 25, DC

Navy

APL NRL ONI

> Department of Navy Office of Naval Intelligence Washington 25, DC

AF AID ATIC

> Department of Air Force Collection and Dissemination Assistant Chief of Staff, Intelligence ATIN: AFCIN 1B3 Washington 25, DC

> > - e -

Dept of State

Department of State Division of Library and Reference Service 132 State Annex 1 Washington, DC

Amer Meteorol Soc, AF Cambridge Res Center

Armed Services Technical Information Agency (ASTIA) Arlington Hall Station Arlington 12, Virginia 6

AEC

Atomic Energy Commission Order copies from:

> Department of Commerce Office of Technical Services Washington 25, DC

Dept of Commerce

Bureau of Census Foreign Manpower Research Office General Federal Office Building 3 Suitland, Maryland

Maritime Administration Office Services GAO, 5th and G Streets, NW Washington, DC

National Bureau of Standards ATTN: Dr Henry Birmbaum Rocan 314, South Building Washington, DC

Patent Office Scientific Library 14th and Constitution Avenue, MW Washington, DC

Dept of Interior

Department of Interior Library Washington 25, DC Joint Publications Research Service For non-scientific reports:

For scientific-technical reports:

Photoduplication Service Library of Congress Washington 25, DC Department of Commerce Office of Technical Services Washington 25, DC

HIN

ļ

Department of Health, Education, and Welfare National Institutes of Health Librarian Bethesda 14, Maryland

USDA

Department of Agriculture Foreign Agricultural Service Rcom 5506 14th and Independence Avenue, NW Washington 25, DC

AGU

American Geophysical Union 1515 Massachusetts Avenue, NW Washington 15, DC

4TBS

American Institute of Biological Sciences 2000 P Street, NW Washington 6, DC

AIP

American Institute of Physics 335 East 45th Street New York 17, New York

ATS

Associated Technical Services PO Box 271 East Orange, New Jersey Consultants Bureau, Inc 227 West 17th Street New York 11, New York

## Columbia Tech

Columbia Technical Translations 5 Vermont Avenue White Plains, New York

HB

Henry Brutcher Technical Translations PO Box 157 Altadena, California Ę

Optical Soc of Amer

Optical Society of America 121 Lincoln Avenue Rochester, New York

PP

Pergamon Press 122 East 55th Street New York 22, New York

Princeton Univ Press

Princeton University Press Princeton, New Jersey

AERE Harwell Lib

The Librarian AERE, Ministry of Supply Harwell, Didcot, Birks England

BISI

British Iron and Steel Translations 4 Grosvenor Gardens London SW 1, England Department of Scientific and Industrial Research Lending Library Unit 20 Chester Terrace London NW 1, England

Matl Res Council, Canada

National Research Council, Library Ottawa 2, Canada

RAE TIL

> Ministry of Supply TIL.1(b) Leysdown Road Mottingham London SE 9, England

# PROJECTS REPORTED FOR JANUARY 1960

### Economic

Azerbaydzhenskaya SSSR, 51 pp. RUSSIAN, bk, Azerbaydzhanskaya SSR, 1957, pp 47-58, 112-180.

AF 1256077

The USSR Paper Industry, by K. A. Veynov, 30 pp.
RUSSIAN, bk, Bumazhnaya Promyshlennost' SSSR, Moscow, 1958, pp 117-148.

JPRS L-1999-D

Achievements in Science and Technology and Advanced Practices in Industry and Civil Engineering, No 4, Machine-Building Technology (Metal Cutting), by G. I. Pogodin-Alekseyev, et al.

RUSSIAN, ok, Dostizheniya Nauki i Tekhniki i Peredovoy Opyt v Promyshlennosti i Stroitel'stvs. Vyp 4; Tekhnologiya Mashinostroyeniya (Coratotka Metallov Rezaniyem), Moscow, 1959, pr 3-71, 77-79, 97, 125-129, 148-156.

\*ATIC MCL-465/III

Seviet Excavators, by M. I. Kostin, S. V. Shimamovich, (DC-3340). RUSSIAN, bk, Ekskavatory, Sprayochnik, 1959.

\*JPRS

Metallur ( Copper, by M. M. Lakernik, N. N. Sermanov, (DC-3359). BUSSIAN, I., Metallurgiya Tavetnykh Metallov, Chap XIII, 1957, pp 161-219.

\*JPRS

Technical Progress in Communications Facilities in the Seven-Year Plan, by K. Ya. Sergeychuk, 27 pp. FUSSIAN, bk, Takhnicheskiy Frogress Sredstv Jayazi v Semilatka, Moscow, 1959, pp 1-31.

JFRS L-1165-N

State Standards for Cobalt and Nickel, by S. V. Reshetina, (DC-3276).

RESTAN, bk, <u>Tavetnyy Metally i Splavy</u>, 1958, pp 44-47, 61-65.

\*JFRS

A New Method of Distributing Production Expenses in the Complex Utilization of Polymetallic Ores, by A. Ya. Zaplavnyy, S. R. Kondin, (NY-3338). RUSSIAN, bk, Trudy Altayskogo Gornometallurgicheskogo Nauchno-Issledovatel'skogo Instuta, Vol V, Alma-Ata, 1957, pp 158-170.

\*JPRS

Achievements in the Development of the Economy and Culture of the Kirgizskaya SSSR, by A. K. Kanimetov, 6 pp. RUSSIAN, bk, <u>Uspekhi Razvitiya Ekonomiki i Kul'tury</u>, 1957, pp 10-16.

AID/SIR 3088

Foreign Trade of the USSR 1958 - Statistical Survey, 235 pp. RUSSIAN, bk, <u>Vneshnyaya Torgovlva</u>, <u>Supplement</u>, 1959, pp 1-159.

JPRS 1087-D

Extracts From "Problems of the Architecture of Panel-Type Apartment Houses," by K. V. Zhukov, Z. N. Nesterova, 57 pp. RUSSIAN, bk, Voprosy Arkhitektury Panel'nykh Zhilykh Domov, 1956, pp 51-58.

JPRS L-1976-D

Problems of the Technological Services Connected With the Reorganization of the Control of Industry, 9 pp.

RUSSIAN, per, Aviatsiounaya Prom No. 3, 1958, pp 15-19.

AF 1256097

Development of Fatherland's Auto Construction Within the Decisions of XXI Congress KPSS, 5 pp.
RUSSIAN, per, Avtomobil Prom No 4, 1959.

ACSI, H-5013

Experience in the Manufacture of Porous Cinder Concrete Wall Panels Without Autoclave Processing, by G. A. Frank, 8 pp. RUSSIAN, per, Beton i Zhelezobeton, No 8, 1959, pp 364-366.

JPRS L-1984-D

Organizing the Management of Industrial Enterprises on the Basis of Comprehensive Mechanization of Administrative Work, by L. Kashubskiy, 14 pp.
RUSSIAN, per, Byul Nauch Informatsii; Trud i Zarabotnaya Plata, No 2, 1959, pp 9-18.

JPRS L-1162-N

Cross Section of a Copper-Smelting Reverberatory Furnace of Efficient Design, by P. A. Myasnikov, L. N. Bazhanov, (NY-3001/6). RUSSIAN, per, Byul Tsvetnoy Metallurg Tsentral' Inst Informat, No 18 (95), 1957, pp 18-23.

\*JPRS

٠. .

On Hydrometallurgical Processing of Copper-Zinc Concentrates, by A. D. Mayants, F. I. Barotitskaya, (NY-3001/6). RUSSIAN, per, Byul Tsvetnoy Metallurg Tsentral' Inst Informat, No 7 (108), 1958, pp 21-25.

\*JPRS

Mechanization of Agriculture During the Seven-Year Plan, by M. Novikov, 15 pp. RUSSIAN, per, <u>Ekon Sel'skogo Khoz</u>, No 6, 1959, pp 10-22.

JPRS 1104-D

Increasing Labor Productivity and Decreasing the Cost of Agricultural Production, by A. Puchkov, A. Klimenko, 8 pp. RUSSIAN, per, Ekon Sel'skogo Khoz, No 6, Sep 1959, pp 46-51.

JPRS 1104-D

Twenty-Fifth Anniversary of the Omsk Cartographic Plant.
RUSSIAN, per, Ceodez i Kartog, No 7, 1959, pp 64-68.

USACRAPAC, PD Tr 100605

The Iron Ore Base of Central Kazakhstan, by I. S. Shapiro, 8 pp. RUSSIAN, per, Gornyy Zhur, No 8, 1959, pp 6-9.

JPRS 2107-N

Measures and Measuring Instruments Approved by the Committee, on the Basis of State Testing, for Use in the USSR, (NY-2900/8). RUSSIAN, per, <u>Izmeritel' Tekh</u>, No 11, 1959, pp 67, 68.

Establishment of Research and Development Facilities in the Area Kolomna-Ryazan'- Ul'yanovak-Gor'kiy-Kolomna, Supplement I, 3 pp.

RUSSIAN, np, <u>Izvestiya</u>, 7 Oct 1959, p 6.

AF 1256221

Facing Away From the Pacific Ocean in the Soviet Far East, 3 pp.
RUSSIAN, np, <u>Izvestiya</u>, 16 Oct 1959, p 4.

AF 1256265

Third All-Union Joint Conference on Automation of Production Processes in Machine-Building and Automated Electric Drive in Industry, 5 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 4, Moscow, Jul/Aug 1959, pp 222-224.

JPRS 2122-N

First Year's Work of the Soviet Phytotron, by I. I. Tumanov.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol,
No 2, 1959, pp 265-282. 9045125

USDA

Twenty-Five Years of the Nickel Industry of the USSR, by B. V. Lipin, 6 pp. RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Tsvet Metall, No 4, 1958, pp 3-7.

JPRS L-2017-D

The Raw Material Base of the Nickel Industry, by P. S Matveyev, N. N. Stronskiy, 7 pp. RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Tsvet Metall, No 4, 1958, pp 8-14.

JPRS L-2017-D

Siberia - The Most Important Link in the Third Metallurgical Base of the USSR, by V. E. Popov, 8 pp.
RUSSIAN. per. Iz Vysshikh Uchebrykh Zavedeniv.

RUSSIAN, per, <u>Iz Vysshikh Uchebnykh Zavedeniy</u>, <u>Chern Metall</u>, No 7, 1959, pp 139-144.

JPRS I-1985-D

New Machines for the Chemical Industry, (NY-2900/8).
RUSSIAN, per, Shim Mash, No 4, Jul/Aug 1959, pp 1-3.

Modernization of Equipment - An Important Factor in Technological Progress, by A. Prokopovich, 13 pp. RUSSIAN, per, Kommunist, No 8, 1959, pp 37-44.	JPRS 2107-N
Is Capital Repair of Equipment Necessary?, by A. Vladziyevskiy, M. Yakobson, 8 pp. RUSSIAN, per, Kommunist, No 9, 1959, pp 35-39.	JPRS 2107-N
The Use of Cash Wages in Estonian Kolkhozes, by Ya. Sepp, 8 pp. RUSSIAN, per, Kommunist Estonii, No 7, 1959, pp 32-37.	JPRS 1104-D
The Start of a New Science, 4 pp. RUSSIAN, np, Komsomol' Pravda, 28 Aug 1959, p 2.	<b>af</b> 1256098
Aerial Automobile, by N. Kamov, 7 pp. RUSSIAN, per, <u>Kryl'ya Rodiny</u> , Aug 1959, pp 16, 17.	ACSI, H-4994
Improving Crane Design, by N. G. Dombrovskiy, (NY-2900/8). RUSSIAN, per, Mekh i Avtomat Proiz, No 12, 1959, pp 38-41.	*JPRS
Development of the Mechanization of Construction in 1960, (NY-2900/8). RUSSIAN, per, Mekh Stroitel, No 12, 1959, pp 1-3.	*JPRS
Additional Wear and Corrosion Margins in Designing Transpor Vessel Hulls of Low Alloy Steel, by A. Maksimadzi, O. Novikov, L. Sokolov, 13 pp. RUSSIAN, per, Morskey Flot, No 3, 1959, pp 12-16.	JPRS 2125-N
The Coal and Petroleum of Kazakhstan, by M. Isenov, 10 pp. RUSSIAN, per, Narodnoye Khoz Kazakh, No 4, 1959, pp 20-27.	JPRS 2107-N

Over-All Mechanization and Automation of Production - A Deciding Factor in the Successful Fulfillment of the Seven-Year Plan, by P. Boldyrev, 7 pp. RUSSIAN, per, Narodnoye Khoz Kazakh, No 6, 1959, pp 3-7.

JPRS 2107-N

.

ł

Expansion of the Use of Advanced Processes in Nonferrous Metallurgy, by A. Zhakishev, (NY-3001/6).
RUSSIAN, per, Narodnoye Khoz Kazakh, No 10, 1959, pp 39-43.

\*JPRS

Expansion of the Oil and Gas Industries of the Ukrainian SSR in 1959-1965, by N. A. Gorev, V. M. Bayevich, 10 pp. RUSSIAN, per, Neft Khoz, No 7, 1959, pp 7-12.

JPRS 2107-N

Reserves for Increasing Labor Productivity in the Oil Industry, by V. P. Kaufman, P. N. Kuz'mov, 11 pp. RUSSIAN, per, Neft Khoz, No 7, 1959, pp 12-17.

JPRS 2107-N

Types of Commercial Auto-Transport.
RUSSIAN, per, Novosti Torgovoy Tekhniki,
No 4, 1957.

ACSI, H-5014

Atomic Power Station in the Ural, by A. Grigor'yev, 7 pp.
RUSSIAN, per, Ogonek, No 34, Aug 1959, pp 2, 3. 651413

HQ, USACRAPAC, FP Foreign Collation, Cartographic Br

Geographical Distribution of Industrial Production Under the Seven-Year Plan, by N. Oznotin, 17 pp.
RUSSIAN, per, Plan Khoz, No 7, 1959, pp 59-69.

JPRS 2107-N

New Instruments for Determining the Composition of Matter, by I. M. Rubinshteyn, G. A. Simonyan, (NY-2900/8).

FURSIAN, per, Priborestroyeniye, No 10, 1959, pp 76-30.

New Methods for the Production of Semiconductors, by V. N. Vigdorovica, 10 pp. RUSSIAN, per, Priroda, No 7, 1959, pp 27-32.

USASIA SC-49/59

Petroleum Industry, USSR, 11 pp. RUSSIAN, np. <u>Prom-Ekon Gazeta</u>, 7 Jun-1, 8, 22, 24, 26 Jul 1959.

AF 1256090

Petroleum Industry, USSR, 6 pp. RUSSIAN, np, <u>Prom-Ekon Gazeta</u>, 29 Jul-2, 14, 23, 26, 28 Aug 1959.

AF 1256310

Plant News (Production of Electrical Equipment), (NY-2900/8).
RUSSIAN, per, Prom Energetika, No 11, 1959, pp 52-54.

\*JPRS

Transmitters for the Automation and Remote Control of Production Processes, (NY-2900/8). RUSSIAN, per, Prom Energetika, No 11, 1959, p 64.

\*JPRS

Kolkhoz Indivisible Funds, by G. Kulik, 6 pp. RUSSIAN, per, Sel'skoye Khoz Sibiri, No 8, 1959, pp 9-13.

JPRS 1104-D

Automobiles of the Seven-Year Plan. RUSSIAN, np, Sovet Aviatsiya, No 69, 24 May 1959, p 2.

\*ACSI, H-5006

International Aviation Review, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 15 Aug 1959, p 4.

AF 1256080

Automobiles of Seven-Year Plan.
RUSSIAN, np, Sovet Patriot, 1 Apr 1959,
p 3.

\*ACSI, H-5007

Training in Glider Flying, 3 pp. RUSSIAN, np, Sovet Patriot, 5 Aug 1959, p 3.

AF 1256144

Outline of the Standard "Alloy Steel for Structural and Machine Building Purposes. Designations and General Technical Requirements," by D. A. Smolyarenko, A. S. Kaplan, (NY-3426).
RUSSIAN, per, Standartizatsiya, No 8, 1959, pp 41-48.

\*JPRS

Factory-Transport Refrigerator Ships of the Sevastopol' Type, by A. M. Sterkin, (NY-3425). RUSSIAN, per, Sudostroyeniye, No 11, Leningrad, 1959, pp 1-6.

\*JPRS

Side-Launching of Ships From a Free Floating Pontoon, by V. Yu. Leyzerman, (NY-3425). RUSSIAN, per, Sudostroyeniye, No 11, Leningrad, 1959, pp 55-58.

\*JPRS

A Re-equipped Prime-Mover. RUSSIAN, per, <u>Tankist</u>, No 1, 1958.

ACSI, H-5011

Motor Vehicles, 4 pp.
RUSSIAN, per, Traktorist Kombayner i
Shofer, No 2, 1959.

ACSI, H-5009

Organization of Production and Labor on Automatic Lines, by P. M. Schastlivtsev, N. L. Tulupova, 11 pp.
RUSSIAN, per, Traktory i Sel'khozmashiny, No 8, 1959, pp 35-38.

JPRS 1104-D

Important Tasks in the Further Development of Tractor Building, by V. A. Grigorov, 7 pp. RUSSIAN, per, Traktory i Sel'khozmashiny, No 9, 1959, pp 1-3.

JPRS 1104-D

Regarding L. M. Gezaryan's Article "Certain Characteristics of Modern Conversion and Efficient Technology in Copper-Smelting Plants of the Urals During the Seven-Year Plan, by A. A. Tseydler, (NY-3001/6). RUSSIAN, per, Tsvetnyye Metally, No 8, 1959, pp 24-27.

The Concentration of Oxidized Nickel Ores, by G. A. Khan, A. I. Zarakhani, (DC-3290). ROBSIAN, per, Tevetnyye Metally, No 11, 1959, pp 18-25.

**#JPRS** 

74 e

Early Fulfillment of the Seven-Year Plan for the Production of Mineral Fertilizer, by Ye. A Sokolova, 6 pp. RUSSIAN, per, Udobreniye i Urozhay, No 8, 1959, pp 1-7.

JPRS 1104-D

A New Series of Sizes I and II Power Transformers for 6-and 10-kw, by R. A. Oganyan, M. G. Gukasyan, V. M. Karapetyan, (NY-2900/8). RUSSIAN, per, Vest Klektroprom, No 9, 1959, pp 5-8.

\*JPRS

The Economic Effectiveness of the Main Technical Trends in the Design of Cable and Wire, by L. V. Fatova, (NY-2900/8). RUSSIAN, per, Vest Elektroprom, No 9, 1959, pp 62-66.

\*JPRS

At a New Stage (Development of the USSR Electrical Industry), (NY-2900/8). RUSSIAN, per, <u>Vest Elektroprom</u>, No 11, 1959, pp 1-3.

\*JPRS

Coordinated Conference on Problems of Scientific Research Work in the Sphere of Feed for Agricultural Animals.

RUSSIAN, per, Vest Sel'skokhoz Nauki,
Vol IV, No 3, 1959, pp 144-147. 9045126

USDA

Meeting of "Vestnik Statistiki" Editors to Discuss Econometrics and the Use of Mathematics in Economic Research, by A. Ya. Boyarskiy, 46 pp.
RUSSIAN, per, Vest Statistiki, No 7, Sep 1958, pp 54-70.

JPRS 2124-N

Statistical Materials - Development of Industrial Production by Union Republics of the RSFSR, 33 pp.
RUSSIAN, per, Vest Statistiki, No 6, 1959, pp 81-96.

JPRS 2976-N

Mechanization of the Erection and Repair of Overhead Communication Lines, by N. P. Sadovnichiy, I. I. Zhadko, 7 pp. RUSSIAN, per, Vest Svyazi, No 7, 1959, pp 5-7.

USASIA SC-4/a/59

Soviet Turbine Building and Export of Steam Turbines, by M. Sichikov, (NY-2900/8). RUSSIAN, per, <u>Vnesh Torgovlya</u>, No 11, 1959, pp 34-38.

\*JPRS

Made in Countries of People's Democracies. RUSSIAN, per, Za Rulem, May 1958.

\*ACSI, H-5008

The Present Status and Future Trends in the Development of Methods for the Non-Disruptive Testing of Materials, by S. T. Mazarov, S. M. Rozhdestvenskiy, D. S. Shrayber, (NY-2900/8). RUSSIAN, per, Zayod Lab, No 7, 1959, pp 771-778.

\*JPRS

The Mastery and Improvement of Solonetz Complexes in the West-Siberian Plain, by K. P. Joreshin, 9 pp. RUSSIAN, per, Zemledeliye, No 10, 1959, pp. 43.48

JPRS L-1998-D

From Moscow to USA in TU-114, 3 pp. POLISH, per, Skrzydlata Polska, No 32, p 10; No 33, p 11; No 34, pp 7, 15; No 36, p 11.

AF 1256249

Utoi

## Political

Art in Building Communism, 4 pp. RUSSIAN, per, Dekorativnoye Iskusstvo SSSR, No 3, 1959, pp 1, 2.

JPRS-L-1139-K

Amur Railroad Administration Abolished, by I. Strekov.
RUSSIAN, np, Gudok, 4 Sep 1959. 651412

HQ, USACRAPAC, FP Foreign Collation, Cartographic Br

The Building of Communism and the All-Round Development of Personality USSR, by G. Gak, 19 pp.
RUSSIAN, per, Kommunist, No 12, Aug 1959, pp 34-47.

JPRS-1107-D

The Social Influence of the Collective on Law Violations USSR, by V. Pchelin, 15 pp. RUSSIAN, per, Kommunist, No 12, 1959, pp 58-68.

JPRS-1108-D

Peaceful Coexistence and the Ideological Struggle, (DC-3273).
RUSSIAN, per, Kommunist, No 16, Moscow, 1959, pp 3-12.

\*JPRS

Vital .ssues in the Workers' Movement and in Social-Democracy, by B. Ponomarev, (DC-3273). RUSSIAN, per, Kommunist, No 16, Moscow, Nov 1959, pp 79-96.

\*JPRS

SEATO -- A Weapon of Colonialism and Aggression, 4 pp.
RUSSIAN, np, Sovet Aviatsiya, 10 Sep 1959, p 4.

AF 1256253

With the Palm One Cannot Cover Up the Sun; How Bourgoise Ideologists Wage War Against Communism, by I. Aleksandrov, (DC-3314). RUSSIAN, np, Sovet Rossiya, 3 Dec 1959, pp 2, 3.

\*JPRS

Revisionist and Dogmatic Trends in Present-Day Communism, by A. A. Avtorkhanov, 23 pp. RUSSIAN, per, Vest Inst po Izucheniyu SSSR, No 3, Munich, Sep-Dec 1958, pp 7-25.

JPRS-2105-N

USSR Political (Contd)

Lenin's "Materialism and Empiriocriticism" and the Contemporary Ideological Struggle, 22 pp.

PUSSIAN, per, Voprosy Filosofii, Bo 5, 1959, pp 3-17.

JPRS-2113-N

The Historical Significance of the 21st Congress of the CPSU, 33 pp. RUSSIAN, per, Voprosy Istorii KPSS, Vol II, No 2, 1959, pp 3-22.

JPRS-L-1155-N

To Meet the Plans of the Plenum of TSK KPSS Central Committee of the Communist Party of the Soviet Union.
RUSSIAN, per, Zash Rasteniy, No 6, 1959, pp 1-3.

#USDA

Principles and System of Soviet Espionage in Germany, by Johann Kurt Klein, (DC-3369). GERMAN, mo per, Truppenpraxis, No 2, Darmstadt, 1958, pp 78-84.

\*JPRS

### Military

Short Description of Contemporary Ways and Means of Aerial Attack and General Principles for Protecting the Population Against Aerial Attack, by F. P. Zverev, (DC-2800/11). RUSSIAN, bk, Meditsinskoye Obespecheniye Naseleniya v Usloviyakh Primeneniya Sredstv Massovogo Porazheniya, Excerpt, Chapter I, 1959, pp 17-20.

**#JPRS** 

Radiation Sickness, by L. F. Supron, (DC-2800/11). RUSSIAN, bk, Meditsinskoye Obespecheniye
Naseleniya v Usloviyakh Primeneniya Sredstv
Massovogo Porazheniya, Excerpts, Chapter III,
1959, pp 162-164.

USSR Military (Conta)

Toxicology, Clinic and Therapy for Injuries
From Chemical Warfare Agents, by L. F. Supron,
(DC-2800/11).
RUSSIAN, bk, Meditsinskeye Obespecheniye

Masseleniya v Usloviyakh Primeneniya Sredstv Massogo Porazheniya, Excerpts, Chapter IV, 1959, pp 197-199, 207, 211, 212, 216, 217, 221, 222.

\*JPRS

\*JPRS

Principles of Organization of Local Antiair Defense, by L. F. Supron, (DC-2800/11). RUSSIAN, bk, Meditsinskoye Obespecheniye Naseleniya v Usloviyakh Primeneniya Sredstv Massogo Porazheniya, Chapter V, 1959, pp 236-238.

Principles of Organization, Tasks, and Structure of the Medical Service of Local Antiair Defense, by L. F. Supron, (DC-2800/11).

RUSSIAN, bk, Meditsinskoye Obespecheniye
Naseleniya v Usloviyakh Primeneniya Gredstv
Massogo Porazheniya, Excerpts, Chapter VI, 1959, pp 239-269, 272, 291.

\*,JPRS

Principles of Defense Against Contemporary Means of Mass Destruction, by F. P. Zverev, L. F. Supron, (DC-2800/11).
RUSSIAN, bk, Meditsinskoye Obespecheniye
Naseleniya v Usloviyakh Primeneniya Sredstv
Massovogo Porazheniya, Excerpt, Chapter VII, pp 301-315.

\*JPRS

Figure Captions [MPVO Medical Work], by L. F. Supron, F. P. Zverev, (DC-2800/11).
RUSSIAN, bk, Meditsinskoye Obespecheniye
Naseleniya v Usloviyakh Primeneniya Sredstv
Massovogo Porazheniya, 1959, pp 328, 337,
339, 341, 358, 363, 365, 366, 372, 378, 379,
381.

\*JPRS

Table of Contents of "MPVO Medical Work," by L. F. Supron, F. P. Zverev, (DC-2800/11). RUSSIAN, bk, Medit inskoye Obespecheniye Naseleniya v Usloviyakh Frimeneniya Sredstv Massovogo Porazheniya, 1959, pp 406-408.

Role and Missions of the Navy, by N. A.

Nevskiy, (DC-2800/11).

MUSSIAN, bk, Voyenno-Morskoy Flot,
Chapter II, 1959, pp 44-47.

\*JPRS

Fundamentals of Naval Art, by N. A. Nevskiy,
(DC-2800/11).

RUSSIAN, bk, Voyenno-Morskoy Flot, Chapter
XIII, 1959, pp 268-297.

\*JPRS

General Principles of Coordination of the

Fleet With the Army and Air Force, by
N. A. Nevskiy, (DC-2800/11).
RUSSIAN, bk, Voyenno-Morskoy Flot, 1959,
Chapter XIV, pp 296-302.
\*JERS

The Doctrine of "Measured-Out" Aggression,
4 pp.
RUSSIAN, np, Krasnaya Zvezda, 8 Jul 1959. AF 1256053

Physical Exercises for Servicemen "Ready for Work and Defense," 4 pp.
RUSSIAN, np, <u>Krasnaya Zvezda</u>, 10 Jul 1959,
p 4.

AF 1256293

For Better Regulation of the Officer's Working Day, 3 pp.
RUSSIAN, np, Krasnaya Zvezda, 6 Aug 1959,
pp 2, 3.

AF 1256210

Builder's Day, 3 pp.
RUSSIAN, np, Krasnaya Zvezda, 9 Aug 1959,
p 1. AF 1256150

Flat Cars, 3 pp.
RUSSIAN, np, Krasnaya Zvezda, 15 Oct 1959,
p 2.

AF 1256261

Sad Story Concerning Field Kitchens, by
A. Nikulenkov, (DC-2800/11).
RUSSIAN, np, Krasnaya Zvezda, 15 Nov 1959,
p 2. \*JPRS

Devices for Fastening Combat Vehicles Onto

Parachute Jump From Stratosphere, 5 pp. RUSSIAN, per, Kryl'ya Rodiny, No 6, 1958, pp 17-19.	AF 1256114
The Test Now Begins, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 19 Jun 1959, p 4.	<b>AF</b> 1256207
Why Canopy Opened During Takeoff Run, 4 pp. RUSSIAN, np, Sovet Aviatsiya, 21 Jul 1959, p 2.	<b>af</b> 1256149
Aircraft-Maintenance Days, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 29 Jul 1959, p 2.	<b>AF</b> 125 <b>6</b> 206
Along Extreme Routes, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 4 Aug 1959, p 2.	AF 1256078
Interception Flight, 6 pp. RUSSIAN, np, Sovet Aviatsiya, 5 Aug 1959, p 2.	<b>AF</b> 1256177
The Commander and Methodological Council, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 26 Aug 1959, p 2.	<b>AF</b> 1256198
Weather and Flight Safety, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 30 Aug 1959, p 2.	AF 1256240
Helicopters Over the Battlefield, 4 pp. RUSSIAN, np, Sovet Aviatsiya, 9 Sep 1959, p 1.	AF 1256255
Flights and Their Planning, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 25 Sep 1959, p 2.	AF 1256237
Shortcomings Due to the Lack of Organization, 4 pp. RUSSIAN, np, Sovet Aviatsiya, 9 Oct 1959, p 2.	<b>AF</b> 12562 <b>5</b> 1
New Things Will Not Come About Themselves, by Yu. Gusev, (DC-2800/11). RUSSIAN, np, Sovet Aviatsiya, 30 Oct 1959, p 2.	*JPRS
Privileges for Demobilized Servicemen in Arranging for Work, by I. Zigura, (DC-2800/11). RUSSIAN, np, Sovet Estoniya, 15 Oct 1959, p 3.	*JPRS

Control of Flights Under Unfavorable Weather Conditions, 4 pp. RUSSIAN, np, Sovet Flot, 14 Aug 1959, pp 2, 3.	<b>AF</b> 1256165
Aircraft Rolled Off the Runway, 3 pp. RUSSIAN, np, Sovet Flot, 20 Aug 1959, p 2.	AF 1256131
United States Strategic Aviation: A Weapon of Policy From the "Position of Strength." RUSSIAN. np, Sovet Flot, 29 Aug 1959, p 4.	<b>AF</b> 125 <b>6</b> 117
Airdromes Should Be Prepared in Time for Winter Use, 3 pp. RUSSIAN, np, Sovet Flot, 2 Oct 1959, p 1.	<b>AF</b> 1256260
Mobile Technical Depots, by S. Dvorkin, (DC-2800/11). RUSSIAN, np, Sovet Flot, 23 Oct 1959, p 2.	*JPRS
Responsibility for Military and Shipboard Equipment, by V. Russov, (DC-2800/11). RUSSIAN, np, Sovet Flot, 25 Oct 1959, p 3.	*JPRS
The Facts Speak. RUSSIAN, np, Sovet Patriot, 19 Aug 1959, p 4.	AF 1256110
Civil Air Defense School, 3 pp. RUSSIAN, np, Sovet Patriot, 30 Aug 1959, p 2.	AF 1256271
Decision Passed Unanimously for Work, by I. Pozdnyakov, (DC-2800/11). RUSSIAN, np, Sovet Patriot, 11 Nov 1959, p 1.	*JPRS
Come to Krasnoarmeyskaya 14 [Air Defense Training Center], by V. Sokolov, (DC-2800/11). RUSSIAN, np, Sovet Patriot, 11 Nov 1959, p 4.	*JPRS
Work of Dosaaf Organizations in Further Development of Technical Sports Among Young People, by P. A. Belov, (DC-2800/11). RUSSIAN, np, Sovet Patriot, 15 Nov 1959, pp 2, 3.	*JPRS

USSR Military (Contd)

Cadres Will Decide the Success of the Matter, (DC-2800/11).

#JPES RUSSIAN, np, Sovet Patriot, 29 Nov 1959, p 1.

New Records and Obsolete Instructions, by V. Goncharenko, (DC-2800/11).

RUSSIAN, np, Sovet Patriot, 29 Nov 1959, p 3. \*JPRS

In One House Administration, by M. Titov, (DC-2800/11).

RUSSIAN, np, Sovet Patriot, 2 Dec 1959, p 2. **\*JPRS** 

A. Semi-Automatic Carbine, by A. Loshchilov; B. Designer of the Semi-Automatic Carbine, 9 pp.

RUSSIAN, per, Voyennyye Znaniya, No 10, 1959, ACSI, H-6056

C. Heatseeking Course and Bearing Finder, Means of Reconnaissance, by Ye. Kosyrev, 9 pp. RUSSIAN, per, Voyennyye Znaniya, No 10, 1959.

ACSI. H-6056

Company Machine Gun and New Classification Ratings for Match Shooting. RUSSIAN, per, Voyennyye Znaniya, No 11, 1959.

\*ACSI, H-5537

# Geographic

The Length of the Sea Coastline of USSR. RUSSIAN, per, Geograficheskiy Sbornik, Vol XIII, 1959, pp 77-83. (Call No QB5, G36, Eng Tr).

AMS

Transformation of Nature by Large Reservoirs, by S. L. Vendrov. RUSSIAN, per, Iz Vses Geograf Obsh, Vol XCI,

No 4, 1959, pp 341-343. (Call No Gl. 198,

Eng Tr).

AMS

Rostov-on-Don.

RUSSIAN, per, Stroitel i Rekonstruktsiya Gorodov, Vol II, 1958, pp 251-276. (Call No NA9010, 164, Eng Tr).

AMS

UESR Geographic (Contd)

Fundamental Features of USSR Tectonics, by Alexander Bogdanoff.

PRECH, per, Geographie Physique et Geologie Dynamique, 1958, pp 134-165.

(Call No EIF 341086, Eng Tr).

AMS

Geographic Research in the Soviet Union, by Dora Fischer, 67 pp. GERMAN, per, Osteuropa Naturwissenschaft, Vol III, No 1, Stuttgart, May 1959, pp 18-62.

JPRS-L-1973-D

# Sociological

Memorandum for USSR Population Concerning Protection Against Atomic Weapons, 23 pp. RUSSIAN, bk, Pamyatka Naseleniyu po Zashchite ot Atomnogo Optikhiya, publ by State Publishing Office for Technical Literature of the USSR, Kiev, 1956.

JPRS-2135-N

Pension Systems in USSR.
RUSSIAN, bk, Pensionnoye Obespecheniye v SSSR.

\*ACSI, H-6052

Communist Consciousness of the Masses, by K. Zarodov, (NY-3401). RUSSIAN, per, <u>Agitator</u>, No 12, Moscow, 1959, pp 9-15.

\*JPRS

A Description of the Basic Elements of the Contents on Educational Wall Maps. RUSSIAN, per, Geodeziya i Kartografiya, No 7, 1959, pp 44-51.

USACRAPAC, PD Tr 100605

Science Today and Tomorrow, 11 pp. RUSSIAN, np, <u>Izvestiya</u>, 9 Aug 1959, p 3.

**AF** 1256063

I See Life Again, by N. Gerashchenko, 3 pp. RUSSIAN, np, Kazakhstanskaya Pravda, Alma-Ata, 30 Oct 1959, p 3.

JPRS-1103-D

USSR Sociological (Contd)

Peculiarities of the Development of Literature in Socialist Countries, by M. Auesov, M. Petisov, 16 pp.

RUSSIAN, per, Kommunist, No 12, 1959, pp 69-80.

JPRS-1109-D

Ways of Getting to Know God, by I. Kryvelev, 6 pp. RUSSIAN, np, Komsomol'skaya Pravda, 15 Nov 1959, p 3.

JPRS-1103-D

The Modern Inquisition, by I. Kichanova, 3 pp. RUSSIAN, np, Komsomol'skaya Pravda, 21 Nov 1959, p 3.

JPRS-1103-D

Central Aeroclub of the USSR, 3 pp. RUSSIAN, per, Kryl'ya Rodiny, No 5, 1959, pp 2-4.

AF 1256167

New Program of Airplane Flying Competitions, 4 pp. RUSSIAN, per, Kryl'ya Rodiny, No 5, 1959, p 27.

AF 1256195

Atheistic Instruction in the Beginners Classes of the School, by M. V. Shuraleva, (DC-3279). RUSSIAN, per, Nachal'naya Shkola, No 11, Moscow, 1959, pp 46-51.

\*.IPRS

Industrial Training of Upper Classmen in Secondary Schools in the Georgian SSR (USSR), by G. Chogovadze, 3 pp. RUSSIAN, np, <u>Pravda</u>, 13 Nov 1959, p 3.

JPRS-L-2002-D

Concerning the Summer Restrictions in the Aral Sea, by D. A. Berval'd, O. D. Romanchyva. RUSSIAN, per, Rybnoye Khoz, Vol XXXIII, No 6, 1957, pp 52-54. 9045145.

USDA

Training of Sportsmen for Airplane Flying Competitions, 3 pp.
RUSSIAN, np, Sovet Patriot, 15 Jul 1959, p 3.

**AF** 1256046

Airplane Flying Sport, 3 pp. RUSSIAN, np, Sovet Patriot, 30 Aug 1959, p 2.

AF 1256300

USSR Sociological (Contd)

How Can Law Affect Social Relations, by L. S. Yavich, (NY-3391).

\*\*RUSSIAN, per, Sovet Gosudarstvo i Prevo,
No 6, Moscow, Jun 1959, pp 31-39.

#JPRS

Don't Take a "Defensive Position," Stamp It Out, by A. Osipov, A. Strygen, 8 pp. RUSSIAN, np, Uchitel'skaya Gazeta, Moscow, 15 Oct 1959, pp 2, 3.

JPRS-1103-D

Concerning the Further Improvement in Training Communication Specialists, 5 pp.
RUSSIAN, per, Vest Svyazi, No 7, 1959,
pp 15-17.

AF 1256160

Supplementary Materials to the History of the Higher School of Veterinary Medicine in Russia, by L. M. Krapivner.
RUSSIAN, per, Veterinariya, Vol XXXVI,
No 9, 1959, pp 84-89. 9045146.

USDA

Features in Establishing the Material and Technical Base of Communism, by L. A. Leont'yev, (NY-3392).
RUSSIAN, per, Voprosy Filosofii, No 6, 1959, pp 3-16.

**\*JPRS** 

Role of the Humanities in Forming the Communist World Outlook of Youth, by M. T. Yovchuk, (NY-3392).
RUSSIAN, per, Voprosy Filosofii, No 6, 1959, pp 17-29.

\*JPRS

Draft Program of the Course 'Principles of Marxist Ethics' for Higher Educational Institutions, (NY-3392).
RUSSIAN, per, Voprosy Filosofii, No 6, 1959, pp 178-185.

\*JPRS

Making of the New Man, by V. Baskakov, (DC-3307). RUSSIAN. per\_ Voprosy Literatury, No 5, Moscow, 1959, pp 3-24.

USSR Sociological (Contd)

Statistics of Illnesses in the USSR, by V. Dolejsi, 16 pp.

CZECH, per, Ceskoslovenske Zdravotnietvi
[?], Prague, pp 210-218.

JPRS-L-1982-D

Statistics on the Network and Activity of Health Installations in the USSR, by V. Dolejsi, 7 pp. CZECH, per, Ceskoslovenske Zdravotnictvi [?], Prague, pp 269-273.

JPRS-L-1983-D

# Biographic

Biographic Sketches of Soviet Scientists, (NY-3376).
RUSSIAN, bk, Biograficheskiy Slovar'
Deyateley Yestestvoznaniya i Tekhniki,
Vol I and II, Moscow, 1958, 1959.

\*JPRS

List of Participants at the Karaganda Joint Scientific Session on Problems Concerned With the Development of the Productive Forces of Central Kazakhstan; List of Reports Presented, (NY-3459).

RUSSIAN, bk, Trudy Karagandinskoy Ob'yedinennoy Nauchnoy Sessii, Sostoyavsheysya 17-22 Noyabrya 1958, Vol I, 1958 (?), pp 194-218.

# EASTERN EUROPE

# Economic

The Batak Water-Power System, by Iliya Medekov, (NY-3424).	
BUIGARIAN, per, Elektroenergiya, Vol X, No 8-9, Sofia, 1959, pp 3-10.	*JPRS
The Weather in Bulgaria in 1958, by Dimitur Y. Dimitrov, (NY-3357). BULGARIAN, per, Geografiya, Vol IX, No 8, Sofia, 1959, pp 5-8.	*JFRS
The Economic Effect of Improving the Quality of Coal and Using New Industrial Classifications of Coal, by K. Belchev, N. Kolev, (NY-3371). BULGARIAN, per, Planovo Stopanstvo, Vol XIV, No 5, Sofia, 1959, pp 37-53.	*JPRS
Renumeration for Production Work, by Valerian Razga, Michal Hronsky, (NY-3464). CZECH, bk, Odmenovani Prace ve Vyrobe, Prague, 1959, pp 14-52, 69-81, 96-101.	*JPRS
Wage Organization and Payments in Czechoslovakia, by Jan Prusa, (NY-3464). CZECH, bk, Organisace Mezd v CSR, Prague, 1955, pp 37-40, 45-49, 53-66, 70-72, 120-128, 157-160.	*JPRS
Translation and Glossary of the Czechoslovak Statistical Yearbook 1959, (DC-3342). CZECH, bk, Statisticka Rocenka Republiky Ceskoslovenske 1959, pp 1-493.	*JPRS
Agricultural Statistical Methods, by Ladislav Stejskal, 17 pp. CZECH, bk, Zemedelska Statistika, Prague, 1958, pp 17-21, 25-28, 36-38, 117-120, 131, 132.	JPRS 2154-N
Features of the New Bure Party System for Construction, by Jaroslav Stastny, (NY-3463). CZECH, np, Hospodarske Noviny, Vol III, No 40, Prague, 2 Oct 1959, p 6.	*JPRS

Eastern Europe Economic (Contd)

Development of New Technology in Industry, Construction, and Transportation, by Josef Vyakoc, (NY-3462).

CZECH, np, Hospodarske Noviny, Vol III, No 44, Prague, 30 Oct 1959, pp 1-4.

\*JPRS

Influence of the New State Purchasing System on the JZD Economic Results, by J. Pacha, 11 pp. CZECH, per, Statisticky Obzor, Vol XXXIX, No 8, Prague, 1959, pp 385-391.

JPRS-2154-N

Amendments to the Model Statutes of JZD's 27 pp. CZECH, np, Uredni List, Vol XCIII, No 39, Prague, 15 May 1959, pp 381-388.

JPRS 2114-N

Compulsory Insurance of Property of JZDS, (NY-3395). CZECH, np, <u>Uredni List</u>, No 85, Art 211, 17 Nov 1959, Prague, pp 987-992.

\*JPRS

Principles for Financing of and Granting Credits to JZDs and Other Cooperative Associations by the Czechoslovak State Bank, (NY-3446). CZECH, np, <u>Uredni List</u>, No 93, Prague, 6 Dec 1959, pp 1035-1042.

\*JPRS

Preparation, Content, and Control of Fulfillment of the State Treasury Plan, (NY-3461). CZECH, np, <u>Uredni List</u>, No 91, Prague, 10 Dec 1959, pp 1019-1023.

\*JPRS

Revisions and Additions to Decrees on Planning, Setting and Control of Prices and on Methodology of Price Setting, (NY-3437). CZZCH, np, Uredni List, No 94, Prague, 17 Dec 1959, pp 1044-1046.

\*JPRS

Basic Conditions of Contract Delivery of Construction Projects, (NY-3423). CZECH, np, Uredni List, No 96, Prague, 22 Dec 1959, pp 1063-1072.

Rastern Europe Economic (Contd)

Economic Aspects of Agricultural Land Base, by Zdensk Sklubal, (MY-3447).

CZECH, per, Zemedelska Ekonomika, Vol XXXII, No 10, Prague, 1959, pp 745-753.

#JPRS

1% thod of Ascertaining Life and Depreciation of Agricultural Machinery, by J. Lubomirska, (NY-3447). CZECH, per, Zemedelska Ekonomika, Vol XXXII, No 10, Prague, 1959, pp 766-785.

\*JPRS

Effect of Available Manpower on JZD Production, by Zdenek Sokol, (NY-3447). CZECH, per, Zemedelska Ekonomika, Vol XXXII, No 10, Prague, 1959, pp 789-798.

\*JPRS

Manpower in Czechoslovak Agriculture, by Vladimir Vacha, Jan Vrany, (NY-3448). CZECH, per, Zemedelska Ekonomika, Vol XXXII, No 11, Prague, 1959, pp 809-826.

\*JPRS

Productivity of Soils - Problems and Solutions, (NY-3394). CZECH, np, Zemedelske Noviny, Prague, 9 Dec 1959, p 8.

\*JPRS

Analysis of Eastern Trade, October 1959, 14 pp. GERMAN, rpt, Beobachtungen zum Ostverkehr im Monat Oktober 1959.

Navy/ONI 5084155

The Socialist Reconstruction of the East German Hard Coal Mining Industry, by E. Kaulbars, 9 pp. GERMAN, per, Bergbautechnik, Vol IX, No 9, Berlin, 1959, pp 453-456.

JPRS 2090-N

Ten Years of Administrative and Traffic Service of the East German Railroads, by W. Semper, 15 pp. GERMAN, per, Deutsche Eisenbahn Technik, Vol VII, No 9, 1959, pp 427-430, 458.

JPRS 2090-N

Rolling Stock Construction in the Last Ten Years, by H. Prussak, 11 pp. GERMAN, per, Deutsche Eisenbahn Technik, Vol VII, No 9, 1959, pp 435-438

JPRS 2090-N

The Construction of Electric Rolling Stock in the Last Ten Years, by E. i. uter, 6 pp. GERMAN, per, Deutsche Eisenbahn Technik, Vol VII, No 9, 1959, pp 439-440.

JARS 2090-N

A Survey of the East German Railroad Signaling System, by H. Gebhardt, E. Hennig, 7 pp. GERMAN, per, Deutsche Eisenbahn Technik, Vol VII, No 9, 1959, pp 450-453.

JPRS 2090-N

Railroad Facilities at the New Rostock-Petersdorf Port and Construction of the Main Line Between Rostock and Berlin, by Leiser R. Gebhardt, 24 pp. GERMAN, per, Deutsche Eisenbahn Technik, Vol VII, No 9, 1959, pp 461-465; 467-473.

JPRS 2090 N

Development of Corn Cultivation in East Germany, by P. Hanke, 5 pp. GERMAN, per, Die Deutsche Landwirtschaft, Vol X, No 10, 1959, pp 488-492.

JPRS 2126-N

Investigation of the Herbicidal Effects of Omnidel Special and Omnidel, by D. Kramer, E. Manzke, 13 pp.
GERMAN, per, Die Deutsche Landwirtschaft, Vcl X, No 10, 1959, pp 500-504.

JTRS 2126-N

Highway Construction in the East German Seven-Year Plan, by R. Schild, (NY-3400). GERMAN, per, Der Deutsche Strassenverkehr, Vol III, No 9, 1959, pp 311, 314, 315.

\*JPC3

Long-Term Planning for Electric Power in East Germany, by E. Markus, (NY-3406). GERMAN, per, Energietechnik, Vol IX, No 11, Berlin, 1959, pp 481-486.

The Development of the Precision Mechanics Industry Since the Foundation of the German Democratic Republic, by E. Wagner, 9 pp. GERMAN, per, Feingeraete Technik, No 10, 1959, pp 427-429.

USASIA SC-65a/59

. . . . . . . . .

Ten Years Work of the VEB Carl Zeiss Jena --Ten Years of Help in the Construction of the German Democratic Republic, by R. Jobst, 10 pp. GERMAN, per, Feingeraete Technik, No 10, 1959, pp 448-451.

USASIA SC-65c/59

Blank Gore Parachutes, by Gunter Schmitt, 4 pp. GERMAN, per, Flugel der Etimat, No 8, 1959, pp 20, 21.

ACSI, H-6033

Ten Years of Socialist Forestry Management, by H. Heidrich, 12 pp. GERMAN, per, Forst und Jagd, Vol IX, No 10, 1959, pp 434-439.

JPRS 2154-N

Problem of Land Rent and the Bringing of Forest Land Into the LPG's, by F. Paul, 6 pp. GERMAN, per, Forst und Jagd, Vol IX, No 10, 1959, pp 440, 441.

JPRS 2154-N

Planting for Seed During the Seven-Year Plan, by K. Hoffmann, K. Thuemmler, 10 pp. GERMAN, per, Forst und Jagd, Vol X, No 10, 1959, pp 465-467.

JPRS 2154-N

New Techniques in Post Office, Telecommunications, and Radio Engineering, 3 pp. GERMAN, per, Funkamateur, No 8, 1959, pp 4, 5.

USASIA SC-66/59

Socialist Work Methods Improve the Work of the East German Railroads, by Manfred Richter, Gunter Westphal, (NY-3399).
GERMAN, per, Der Operative Dienst, Vol III, No 10, 1959, pp 223-227.

Current Status and Long-Range Plans for Electrification of East German Bailroads, by Joachim Hoffmann, (NT-3399). German, per, Der Operative Dienst, Vol III, No 10, 1959, pp 232-235.

\*JPRS

14 e

Activities of the DAMW, by Reitmann, 10 pp. GERMAN, per, Radio und Fernsehen, No 5, Mar 1959, pp 164, 165.

USASIA SC-23/59

Production in the GDR, 6 pp.
GERMAN, per, Radio und Fernsehen, No 8, 1959, pp. 1-8.

USASIA SC-34/59

A Visit to Our Modern Broadcast Studios, 11 pp. GERMAN, per, Radio und Fernsehen, No 9, May 1958, pp 284-287.

USASIA 8C-18/59

Location of Broadcasting Stations in the GDR, 4 pp.

GERMAN, per, Radio und Fernsehen, No 9, May 1958, pp 290, 291.

USASIA SC-18/59

Technology of Television Receiver Production in the Stern-Radio, Stassfurt, by Klamroth, 9 pp. GERMAN, per, Radio und Fernsehen, No 10, May 1958, pp 306-308.

USASIA SC-19/59

Television Receiver Production at the VEB Rafena Plant, by Streng, Klamroth, 8 pp. GERMAN, per, Radio und Fernsehen, No 21, Nov 1958, pp 617-619.

USASIA SC-27/59

Report on Shipping Losses in East German Ports, (NY-3396).
GERMAN, per, Schiffbautechnik, Vol IX, No 9, 1959, pp 496, 497.

\*JPRS

The Supply of Beef and Pork From Indigenous Production Until 1963, by H. Doehring, J. Reiche, Ch. Strogies, 10 pp. GERMAN, per, Statistische Praxis, Vol XIV, No 8, 1959, pp 147, 148, 153.

JPRS 2090-N

Operative Planning and Control of Plan Fulfillment of Research and Development in the Czecheslovak Republic, 7 pp.

GERMAN, per, Die Technik, No 1, 1955, pp 41-43.

USASIA SC-2/59

New Developments at the VEB Funkwerk Erfurt, 21 pp.

GERMAN, per, Die Technik, No 3, 1959, pp 211-216.

USASIA SC-5/59

Review of East German Industrial Exports, by H. Rau, 7 pp.

GERMAN, per, <u>Die Technik</u>, Vol XIV, No 10, 1959, pp 646-649.

JPRS 2126-N

The Cooperation of the German Democratic Republic in the International Geophysical Year, by H. Philipps, 10 pp. GERMAN, per, Die Technik, No 10, 1959,

pp 665-669.

USASIA SC-91a/59

Steep Climb to a New Height -- The Zeiss Plant in the Socialist State, by H. Schrade, 5 pp. GERMAN, per, Die Technik, No 10, 1959, pp 678-680.

USASIA SC-91c/59

Miscellaneous New East German Products, by H. Kasten Mastoff, 9 pp. GERMAN, per, Technische Gemeinschaft, Vol VII, No 10, 1959, pp 386-388; 390, 391.

JPRS 2126-N

Better Utilization of East German Transport Capacity, 4 pp. GERMAN, per, Die Wirtschaft, Vol XIV, No 45, 1959, p 7.

JPRS 2126-N

The Polish Mining Law and the Organization of the Polish Mining Administration, by Tadeusz Plodowski, 25 pp. HUNGARIAN, per, Banyaszati Lapok, Vol XCII, No 9, 1959, pp 585-594.

JPRS 2167-N

Investigation of the Work Requirements of Mine Maintence in the Coal Mines, by Mrs Laszlo Heja, (NY-3452)
HUNGARIAN, per, Banyaszati Japok, Vol XCII, No 12, 1959, pp 819-828.

\*JPRS

Mr. Rostow -- And the others, by M. S. (DC-3337). HUNGARIAN, np, Figyelo, No 50, Budapest, 15 Dec 1959, p 7.

\*JPRS

Description of the Benzol Recovering Plant and Its Production Results at the Danubian Iron Works, by Laszlo Bodnar, (NY-3355). HUNGARIAN, per, Kohaszati Lapok, Vol XCII, No 10, 1959, pp 454-459.

\*JPRS

Organizational Problems of Socialist Industrial Management, by Sandor Ba'azsy, Gyorgy Varga, 33 pp.
HUNGARIAN, per, Kozgazdasagi Szemle, Vol VI, No 8-9, Budapest, 1959, pp 826-847.

JPRS 2147-N

The Problems of Price Determination in the Socialist World Market, by Bela Csikes-Nagy, (NY-3422).
HUNGARIAN, per, Kozgazdasagi Szemle, No 12, 1959, pp 1295-1309.

\*JPRS

The Size and Sources of TSZ Investments, by Jozsef Reisz, (NY-3453). HUNGARIAN, per, Kozgazdasagi Szemle, Vol VI, No 12, 1959, pp 1320-1335.

\*JPRS

Transportation of Czechoslovakia, by Zoltan Palotas, 16 pp. HUNGARIAN, per, Kozlekedestudomanyi Szemle, Sep 1959, pp 387-395.

ACSI, H-4934

Law-Decree of the Presidential Council of the People's Republic, No 26, 1959, on Military Contributions, 4 pp. HUNGARIAN, per, Magyar Kozlony, No 72, 5 Jul 1959, pp 575-577.

JPRS L-1167-N

Decree of the Minister of Finance No 24 of 16 Oct 1959, Implementing Law-Decree No 26, 1959, on Military Contributions, 5 pp.
HUNGARIAN, per, Magyar Kozlony, No 103, 16 Oct 1959, pp 887-889.

JPRS L-1167-N

Input-Output Table of the Hungarian People's Economy, by Zoltan Kenessey, (NY-3384). HUNGARIAN, per, Statisztikai Szemle, No 12, 1959, pp 1174-1190.

\*JPRS

Requirements of the Electric Power Industry for Medium-Voltage Circuit Breakers, by Aladar Zimmermann, (NY-3451).
HUNGARIAN, per, Villamossag, Vol VII, No 7, 1959, pp 199-207.

\*JTRS

Leading Personalities in Gdansk Shipyards, 4 pp. POLISH, Radio Free Europe Item No 3942/59, 29 Sep 1959, p 3-.

JPRS L-1974-D

Data on Costs of Construction of Housing Project in Lodz, by Janusz Brzozowski, (NY-3398). POLISH, per, Architektura, No 10, 1959, pp 449-452.

\*JPRS

Development of Floating Docks in Polish Ports in the 15-Year Plan, by Franciszek Krzyzanowski, 10 pp. POLISH, per, Budownictwo Okretowe, Vol IV, No 7, 1959, pp 189-192.

JPRS 2108-N

Achievements of Volunteer Labor in Construction and Maintenance of Local Roads, by Wladyslaw Filippoto, 13 pp. POLISH, per, <u>Drogownictwo</u>, No 9, 1959, pp 206-211.

JPRS 2167-N

A Review of Highway Construction 1944-1959, by Aleksander Gajkowicz, (NY-3356). POLISH, per, <u>Drogownictwo</u>, Vol XIV, No 10, 1959, pp 229-242.

Expansion and Renovation of the Highway Network, by Eugeniusz Buszma, (NY-3356).

POLISH, per, Drogownictwo, Vol XIV, No 10, 1959, pp 243-249.

\*JPRS

Technical Progress and Mechanization in Highway Construction in Poland, by Koryeinski, Krolokowski, Brzostowski, (NY-3356).
POLISH, per, Drogownictwo, Vol XIV, No 10, 1959, pp 274-284.

\*JPRS

Role of Finance in the National Economy, by Mieczyslaw Jaslar, 10 pp. POLISH, per, Finanse, No 8, 1959, pp 1-7.

JPRS 2147-N

Bank Credits As An Instrument for Improving Operations of Construction and Assembly Enterprises, by Henryk Copik, 8 pp. POLISH, per, Finanse, No 8, 1959, pp 12-17.

JPRS 2147-N

Wage Proportions, by Bronislaw Fick, 20 pp. POLISH, per, Finanse, No 9, 1959, pp 6-19.

JPRS 2126-N

Problems of Accumulation in Construction, by Olga Kapkowska, 8 pp. POLISH, per, Finanse, No 9, 1959, pp 24-28.

JPRS 2126-N

Economic Aspects of Polish Triangulation Networks, by Ferdynand Wloczewski, Wladyslaw Kiepurski, 24 pp. POLISH, per, Geodezja i Kartografia, Vol VIII,

No 1/2, 1959, pp 69-91.

JPRS 2147-N

Domestic Trade in the 1961-1965 Five-Year Plan, by Mieczyslaw Lesz, 22 pp. POLISH, per, Handel Wewnetrzny, No 2, 1959, pp 7-20.

JPRS 2114-N

Internal Transportation of Imported Ores, by Tadeusz Rzebik, (NY-3385). POLISH, per, <u>Handel Zagraniczny</u>, Vol IV, No 8, 1959, pp 325-328.

The Development of Polish Rivers for Production of Electric Power, by Marian Chudzynski, 8 pp. POLISH, per, Horyzonty Techniki, Vol XII, No 8, 1959, pp 348-354.

JPRS 2114-N

New Polish Designs of Vehicles, Machinery, and Equipment Exhibited at the Poznan Fair, by Zbigniew Zbyszeicz, 8 pp. POLISH, per, Horyzonty Techniki, No 9, 1959, pp 391-395.

JPRS 2167-N

Status and Plans for Industrial Development of Warsaw Wojewodztwo to 1975, by Stanislaw Misztal, Stanislaw Gajowski, 19 pp. POLISH, per, Inwestycje i Budownictwo, Vol IX, No 6, 1959, pp 8-14.

JPRS 2108-N

Comparative Statistical Methods in Analyses of Construction Data, by Zbigniew Boguslawski, Henryk Hajduk, 17 pp.
POLISH, per, Inwestycje in Budownictwo, Vol IX, No 6, 1959, pp 15-20.

JPRS 2108-N

Construction Costs Using Traditional Types of Concrete and "Single-Fraction" Concrete, by Zbigniew Boguslawski, 15 pp. POLISH, per, Investycje i Budownictwo, No 7/8-Jul/Aug 1959, pp 44-48.

JPRS 2167-N

Problems of Modernizing Construction Work in Period 1959-1965, by B. Kierski, J. Witkowski, M. Zubelewicz, (NY-3466). POLISH, per, Inwestycje i Budownictwo, Vol IX, No 10, 1959, pp 17-23.

\*JPRS

Prestressed Concrete Production in Poland and Sweden, by Stanislaw Kajfasz, 11 pp. POLISH, per, <u>Inzymieria i Budownictwo</u>, Vol XVI, No 8, 1959, pp 341-344.

JPRS 2108-N

Analysis of 1958/59 Achievements of State Farms and Plans for 1959/60, by St. Czajkowski, J. Malek, (NY-3445).

POLISH, per, Nowe Rolnictwo, Vol VIII, No 21/22, 1, 15 Nov 1959, pp 810-813, 807-809.

\*JPRS

Forest By-Product Production 1945-1958, by Wieslaw Grochowski, Jan Zelicho, 14 pp. POLISH, per, Las Polski, Vol XXXIII, No 15/16, 1959, pp 1-4, inside cover.

JPRS 2108-N

Review of the Work of the Permanent Commission for Construction of CEMA, by Stanislaw Bartoszewicz, (NY-3359). POLISH, per, Przeglad Budowlany, Vol XXXI, No 10, 1959, pp 461-464.

\*JPRS

A Brief Statement on the Tasks of the Food Industry, by Stanislaw Selmaj, 8 pp. POLISH, per, Przeglad Drobnej Wytworczosci, No 10, 1959, pp 6-9.

JPRS 2114-N

Data on Electric Steel Mills in Poland, by E. Matula, (NY-3388).
POLISH, per, Przeglad Elektrotechniczny, Vol XXXV, No 10, 21 Oct 1959, pp 437-439.

\*JPRS

Brown Coal in Poland -- Its Present Development, Reserves, and Future Development (1960-1975), by Romuald Staszewski, (NY-3386). POLISH, per, Przeglad Gorniczy, Vol XV, No 10, 11, Katowice, 1959, pp 546-549.

\*JPRS

Development of Railroad Technology in Poland During the Past 15 Years, by Seweryn Wrobel, (NY-3358). POLISH, per, Przeglad Kolejowy, Vol XI, No 11, 1959, pp 401-407.

\*JPRS

Electric Locomotives of the Polish State Rail-roads, by Andrzej Zielinski, 13 pp. POLISH, per, Przeglad Kolejowy-Mechaniczny, Vol XI, No 8, 1959, pp 225-230.

JPRS 2108-N

Combustion Locomotives of the Rumanian Railroads, by Emald Kowalski, (MY-3465). POLISH, per, Przeglad Kolejcwy - Mechaniczny,

Vol XI, No 11, 1959, pp 325-328.

\*JPRS

Data on Boxcar Rolling Stock of Polish State Railroads, by K. Blotko, 6 pp. POLISH, per, Przeglad Kolejowy-Przewozowy, Vol XI, No 7, 1959, pp 173-175.

JPRS 2108-N

Organization and Work of Railroad Transport in Ports, by Stanislaw Majewski, 10 pp. POLISH, per, Przeglad Kolejowy-Przewozowy, Vol XI, No 8, 9, 1959, pp 210-215.

JPRS 2126-N

Operating Costs of Trains, by Kazimierz Blotko, 7 pp. POLISH, per, Przeglad Kolejowy-Przewozowy, Vol XI, No 8, 9, 1959, pp 215-217.

JPRS 2126-N

Railroad Transport Service for the Metallurgical Industry of Upper Silesia, by T. Rzebik, (NY-3467). POLISH, per, Przeglad Kolejowy-Przewozowy, Vol XI, No 11, 1959, pp 283-285.

\*JPRS

Modern Meat Plants in Bialystok, Czestochowa, and Rzeszow, by Mieczyslaw Stepinski, 4 pp. POLISH, per, Przeglad Techniczny, No 15, 1959, pp 13, 14.

JPRS 2114-N

Cable Manufacturing in Poland, by T. Moskalewski, 6 pp. POLISH, per, Przeglad Techniczny, No 33, 1959, pp 5-7.

JPRS 2108-N

Tasks and Aims of the General Inventory of Fixed Assets, by Piotr Rog, 7 pp. POLISH, per, Przeglad Techniczny, No 38, Sep 1959, pp 14-16.

JPRS 2167-N

pp 211-214.

Directions of Development of the Polish Motor Vehicle Industry, by Jerzy Grodecki, 7 pp. POLISH, per, Przeglad Techniczny, Vol IXIX, No 40, 7 Oct 1959, pp 23-20.

JPRS 2167-N

Mining Machines, by Jan Swierniak, (NY-3387). POLISH, per, Przeglad Techniczny, No 48, 4 Dec 1959, pp 19, 20.

#JPRS

Development of the Textile Industry, 14 pp. POLISH, per, Przeglad Włokienniczy, No 12, 1958, pp 577-580.

JPRS 23.47-M

Development of the Linen Industry, 1959-1965, by Henryk Bogacki, 11 pp. POLISH, per, Przeglad Włokienniczy, Vol XIII, No 3, 1959, pp 109-112.

JPRS 2167-N

Achievements of the Woolen Industry and an Outline of the Development Plan, by Stanislaw Olszak, 10 pp. POLISH, per, Przeglad Wlokienniczy, No 5, 1959,

JPRS 2147-N

Trends in the Development of the Worsted Industry in Poland, by Marian Wrezel, 10 pp. POLISH, per, Przeglad Włokienniczy, No 5, 1959, pp 219-221.

JPRS 2147-N

Export of Agricultural and Food Products, by Mieczyslaw Stepinski, 9 pp. POLISH, per, Przemysl Spozywczy, Vol XIII, No 4-6, 1959, pp 115-121.

JPRS 2108-N

Small-Scale Food Industry -- Private Enterprises, by Waclaw Tobiasz, 10 pp. POLISH, per, Przemysl Spozywczy, Vol XIII, No 4-6, 1959, pp 155-161.

JPRS 2108-N

Polish-Built Aircraft at Poznan Fair, 3 pp. POLISH, per, Skrzydlata Polska, No 26, 1959, pp 4, 5.

AF 1256054

Proposal for a New Index of Foreign Exchange Profitability of the Fleet, by Jersy Weeolowski, 12 pp.

POLISH, per, Technika i Gospodarka Morska, Vol IX, No 9, Odynia, 1959, pp 263-265.

JPRS 2126-N

۳.,

1960 Plans for Maritime Economy, 4 pp. POLISH, per, Technicks i Gospodarka Morska, No 10, Gdynia, 1959, pp 328.

JPRS 2167-N

Radio Factory M. Kasprzak in Warsaw. POLISH, per, Tele-Radio - Przeglad Zagadnien Przemyslowych i Eksploatachjnych, No 6, Jan 1958, pp 319-328.

ACSI, H-4551, A

Telephone Sets Factory in Lodz.

POLISH, per, Tele-Radio - Przeglad Zagadnien

Przemyslowych i Eksploatachjnych, No 6, Jan
1958, pp 328-332.

ACSI, H-4551, B

Teletechnical Apparatus Factory in Lodz. POLISH, per, Tele-Radio - Przeglad Zagadnien Przemyslowych i Eksploatachjnych, No 6, Jan 1958, pp 332, 333.

ACSI, H-4551, C

Selenium Rectifiers Produced by Rectifier, Factory in Bielaus.

POLISH, per, Tele-Radio - Przeglad Zagadnien Przemyslowych i Eksploatachjnych, No 6, Jan 1958, pp 334, 335.

ACSI, H-4551, D

Production of Associated Factories of PTT. POLISH, per, Tele-Radio - Przeglad Zagadnien Przemyslowych i Eksploatachjnych, No 6, Jan 1958, pp 341-346.

ACSI, H-4551, F

Rumanian Food Industry, by Gh. Ghica, C. Mocanu, (NY-3362).
RUMANIAN, monograph, Geografia Economica a RPR, Bucharest, 1957, pp 175-185.

Economic (Contd)

Development of the Paper and Cellulose Sector in Rumania Since 1944, by N. Blaga, (NY-3397). RUMANIAN, per, Celuloza si Hirtie, Vol VIII, No 8, 1959, pp 239-241.

\*JPRS

Steps to Increase Production Capacity of News-Print at the "1 Septembrie" Paper Mill, by D. Duhnea, (NY-3397).
RUMANIAN, per, Celuloza & Hirtie, Vol VIII, No 8, 1959, p 242

\*JPPS

Fifteen Years of Achievements at the "Steaua Rosie" Paper and Cellulose Mill, by Gh. Gavrilescu, (NY-3397).
RUMANIAN, per, Celuloza si Hirtie, Vol VIII, No 8, 1959, pp 246, 247.

\*JPRS

Electrification of Rumania in the Past Fifteen Years, by Nicolae Gheorghiu, 14 pp. RUMANIAN, per, Energetica, Vol VII, No 3, 1959, pp 326-331.

JPRS 2091-N

Contributions of the Power Study and Planning Institute to Rumanian Electrification, by N. Armencoiu, 27 pp. RUMANIAN, pe., Energetica, Vol VII, No 8, 1959, pp 333-345.

JPRS 2091-N

Contributions of the Power Construction and Assembly Sector to the Electrification of Rumania, by Alexandru Vlad, V. Alexandrescu, 20 pp. RUMANIAN, per, Energetica, Vol VII, No 8, 1959, pp 346-356.

JPRS 2091-N

"Steaua Rosie" Thermal Power Station, by Ion Munteanu, 5 pp.
RUMANIAN, per, Energetica, Vol VII, No 8, 1959, pp 356-360.

JPRS 2091-N

Activity of Power Rationalization Sector Under the "Energo-Reparatii" Enterprises, by Sergiu Sandulescu, 6 pp. RUMANIAN, per, <u>Energetica</u>, Vol VII, No 8, 1959, pp 366-368.

JPRS 2091-N

Fish-Raising in Rumanian Internal Waters, by Gh. Manea, S. Medregan, (NY-3449). RUMANIAN, per, Injustria Alimentara, Vol VII, No 9, 1959, pp 2 3, 250.

\*JPRS

Products of "I. Frimu" Metallurgical Works, by Matei Iliesc ll pp. RUMANIAN, per, etalurgia si Constructia de Masini, Vol XI No 3, 1959, pp 228-234.

JPRS 2091-N

Sulfur Content of Rumanian Hard Coals, by N. M. Ionescu, N. D. Duinea, (NY-3372).
RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 7, 1959, pp 565-575.

**#JPRS** 

New Machine Line at Medgidia Equipment and Metallurgical Enterprise, (IMU), by Ion Cindea, Ionel Trufasu, V. Secata, (NY-3372).
RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 7, 1959, pp 611-613.

\*JPRS

Reduction of Cost Price at "Republica" Pipe Works, (NY-3372). RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 7, 1959, pp 614, 615.

\*JPRS

Production of Agricultural Equipment, (NY-3372). RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 7, 1959, pp 616, 617.

\*JPRS

Industrial Production of Semicoke by Fluidization, by Miti D. Ionescu, Valeriu Anghel, Ana Partene, Aurel Paun, (NY-3373).

RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 660-670.

\*JPRS

Resita Metallurgical Combine, by Mihai Patriciu, (NY-3373).
RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 683-694.

"23 August" Works, by Aurel Bozgan, (NY-3373). RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 695-699. \*JPRS "Republica" Pipe Works, by Gheorghe Pietroiu, (NY-3373).RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 700-707. \*JPRS "Ernst Thalmann" Tractor Works, by Emil Oniga, (NY-3373).RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 709-715. **#JPRS** Turnu-Severin Shipyard, by Vasile Olaru, (NY-3373) RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 717-724. **\*JPRS** "I. C. Frimu" - Sinaia Plant, by Aurel Boghici, (NY-3373).RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XI, No 8, 1959, pp 725-731. \*JPRS Manufacture of Petroleum Equipment, by T. Abrihan, 6 pp. RUMANIAN, per, Petrol si Gaze, Vol X, No 8, 1959, pp 330-332. JPRS 2091-N Activity of Oil Field Planning Institute, by V. Oniceanu, 6 pp. RUMANIAN, per, Petrol si Gaze, Vol X, No 8, 1959, pp 342-345. JPRS 2091-N Institute of Petroleum, Gases, and Geology, by Sergiu Raseyev, 4 pp. RUMANIAN, per, Petrol si Gaze, Vol X, No 8, 1959, pp 348-350. JPRS 2091-N Scientific Research in Petroleum Prospecting and Exploration, by I. Costescu, 7 pp. RUMANIAN, per, Petrol si Gaze, Vol X, No 8, 1959, pp 351-356. JPRS 2091-N

Achievements in Production of Chemical Fertilizers	
by A. Constantinescu, (NY-3380).  RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 252-255.	*JPRS
Achievements in the Use of Chemical Fertilizers, by M. Stancu, (NY-3380). RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 256, 257.	*JPRS
Research on New Types of Fertilizers, by E. Ionescu, (NY-3380). RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 263, 264.	*JPRS
Manufacture of Superphosphates From Imported Phosphorites at the "Karl Marx" Chemical Combine, by Gh. Macavei, (NY-3380). RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 286-288.	*JPRS
Manufacture of Simple, Granulated Superphosphate and Sodium Fluorsilicate at "Petru Poni" Chemical Fertilizer Works, by M. Dumitrescu, (NY-3380).  RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 288-290.	*JPRS
Manufacture of Granulated Superphosphate at Navodari Superphosphate and Sulfuric Acid Plant, by A. Vieru, (NY-3380). RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 290-292.	*JPRS
Circulation of Fertilizers From Producer to Consumer, by V. Urseanu, (NY-3380). RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 292-293.	*JPRS
Mechanized Application of Fertilizers and Plant Treatment, by T. Dragos, (NY-3380).  RUMANIAN, per, Revista de Chimie, Vol X, No 5, 1959, pp 293-295.	*JPRS

Achievements and Prospects in Monferrous Ore Preparation in Bais Mare Basin, by P. Vlad, (MY-3369).	
RUMANIAN, per, Revista Minelor, Vol X, No 9, 1959, pp 379-383.	*JPRS
Mechanization of Jiu Valley Mines, by Tr. Birsan, Alex. Micles, (NY-3370). RUMANIAN, per, Revista Minelor, Vol X, No 10, 1959, pp 413-422.	*JPRS
Forestry Developments 1944-1959, by Ludovic Negrea, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 8, 1959, pp 444, 445.	*JPRS
CEMA Cooperation in Forestry, by Ion Panait, Dutu Radulescu, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol IXXIV, No 8, 1959, pp 447, 448.	*JPRS
Forest Nurseries 1944-1959, by Stefan Mavric, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 8, 1959, pp 453-456.	*JPRS
Forestry Protection, by Horia Nicovescu, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 8, 1959, pp 457-460.	*JPRS
Forestry Exploitation 1944-1959, by Emil Balanescu, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 8, 1959, pp 469-471.	*JPRS
Mechanization of Forestry Exploitation, by I. Dragan, G. Muresan, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol IXXIV, No 8, 1959, pp 475, 478, 479.	*JPRS
Forestry Construction 1944-1959, by Theodor Manoliu, (NY-3375). RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 8, 1959, pp 481-483.	*JPRS

Forestry Transportation, by Beil Belanesou, Beil Tatomir, (NY-3374).

RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 9, 10, 1959, pp 531-535, 594-598.

\*JPRS

Electric Power Engineering in Poland and Prospects of Its Development, by S. I. Minorski, (NY-3439).

RUSSIAN, per, Elektricheskiye Stantsii, Vol XXX, No 12, 1959, pp 66-71.

\*JPRS

Changes in the Population of the Rumanian People's Republic in Connection With Industrialization, by S. G. Slepian, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geog, No 1, 1959, pp 98-103.

Bur of Census

Construction Machine Building in East Germany, by Gregor Mueller, (NY-3460).
RUSSIAN, per, Stroitel'noye i Dorozhnoye Machinostroyenie, No 12, 1959, pp 3-9.

\*JPRS

Production of Lead in the Lead-Zinc Plant at Kurdzhali, by N. Kunchev, Ya. Yanchev, G. Kharalampiyev, 17 pp.
RUSSIAN, per, <u>Tsvetnyye Metally</u>, No 10, 1959, pp 25-34.

JPRS 2154-M

Veterinary Service in the German Democratic Republic, by L. Hussel. RUSSIAN, per, Veterinariya, Vol XXXVI, No 9, 1959, pp 80-82. 9045142

USDA

Technical Guide.
SERBO-CROATION, bk, <u>Trakticho-Tehnicki</u> Potsotnik,

\*ACSI, H-4574

### Eastern Europe Political

The Real and the Fabricated Struggle Against Revisionism, by Kiro Hadzi Vasilev, 34 pp.
CROATIAN, per, Socijalizam, Vol II, No 4, Belgrade, 1959, pp 60-95.

JPRS L-2006-D

Questions on the Formation of Socialist Awareness and Socialist Communal Work, by Heinz Kallabis, Erwin Gutzmann, 18 pp. GERMAN, per, Einheit, Vol XIV, No 6, East Berlin, 1959, pp 726-738.

JPRS L-2005-D

## Military

Hungarians in the US Army, by Ferenc Vadasz, 4 pp. HUNGARIAN, np. Nepazabadsag, 23 Jul 1959.

ID 2118325

Air Parade 1959 in Warsaw, 3 pp. POLISH, per, Skrzydlata Polska, No 32, 1959, pp 4, 5.

AF 1256148

Airborne Infantry in Poland, 3 pp. POLISH, per, Zolnierz Polski, No 30, 1959, pp 10, 11.

AF 1256132

Antiaircraft Defense and the Vojin Service, 18 pp. SERBO-CROATIAN, per, <u>Vazduhoplovni Glasnik</u>, No 4, 1958, pp 415-427.

AF 1256297

Eastern Europe Sociological

We Have Active, Competent Strength to Carry Out With Honor the Tasks of the New School Year, by Qibrie Ciu, (DC-3319).

ALBANIAN, per, Aresimi Popullor, No 9,
Tirana, 1959, pp 3-25.

\*JPRS

Fifteen Years of the Cultural Revolution in Albania, (DC-3317).
ALBANIAN, per, Aresimi Popullor, No 11, Tirans, 1959, pp 3-7.

\*JPRS

Training and Education in the People's Republic of Albania, (DC-3305). BUIGARIAN, per, Narodna Prosveta, No 11, Sofia, 1959, pp 100-102.

\*JPRS

Philosophical Idealism - A "Scientific Figurative" Form of Religion, by V. Karachiviev, (DC-3301).
BUIGARIAN, np, Rabotnichesko Delo, Sofia, 16 Dec 1959, p 2.

\*JPRS

Mortality in Bulgaria, by Nikola T. Naumov, 10 pp. BULGARIAN, per, Statistika, No 4, Sofia, Jul/Aug 1959, pp 65-72.

JPRS 1091-D

The Social Structure of Sarajevo University Students, by Ante Fiamengo, 6 pp. CROATIAN, per, <u>Pregled</u>, Sep 1959, Encl to Desp 47, AmConsul, Sarajevo, 19 Nov 1959.

Dept of State 4300960

Czechoslovak Government Decree on Advanced Schools and Faculties, (DC-3306).
CZECH, pamphlet, 12 Aug 1959, pp 1-4.

#JPRS

On Present Day Questions of Cultural Revolution, Education, and Schools in Czechoslovakia, by Karel Angelis, (DC-3348). CZECH, per, Pedagogika, Vol IX, No 1, Prague, 1959, pp 4-24.

Eastern Europe Sociological (Contd)

Reform of Education in the Bulgarian People's Republic, by A. Strisova, (DC-3347). CZECH, per, Pedagogika, Vol IX, No 4, Prague, 1959, pp 502-508.

\*JPRS

Polish Education and Pedagogics, by Miroslav Gipro, (DC-3347). CZECH, per, Pedagogika, Vol IX, No 4, Prague, 1959, pp 513-519.

\*JPRS

Decree on Securing Stable Order at East German General Educational Schools (School Order), (DC-3320). GERMAN, supple to np, <u>Deutsch Lehrerzeitung</u>, No 47, Berlin, 20 Nov 1959, pp 3-12.

\*JPRS

Law on the Socialist Development of the School System in the German Democratic Republic, (DC-3318). GERMAN, np. Deutsch Lehrerzeitung, No 50, Berlin, 11 Dec 1959, pp 7, 8.

\*JPRS

Bulgarian Technical Higher Education, by Karoly Heberger, 7 pp. HUNGARIAN, per, Felsooktatasi Szemle, Vol VIII, No 9, Budapest, 1959, pp 575-579.

JPRS L-1992-D

Leaders of Universities and Colleges in 1959-1960, 5 pp. HUNGARIAN, per, Felsooktatasi Szemle, Vol VIII, No 10, Budapest, 1959, pp 632-634.

JPRS L-1993-D

Civil Aviation in Poland Under New Jurisdiction, 3 pp.
POLISH, per, Przeglad Lotnictwa Cywilnego, No 6, 1959, p 1.

AF 1256111

Criminal Code of the Rumanian People's Republic - Section III, Abortion. Articles 482, 483, 3 pp.

RUMANIAN, rpt, Codul Penal din Republica Populara Romina, Bucharest, Jul 1958, pp 216-218.

Bu of Census

Eastern Europe Sociological (Contd)

Does the Soul Really Exist?, by Vilhelem Andrei, 6 pp.
REMANIAN, np., Munca, Vol. XV., No. 3754, ....

Bucharest, 28 Nov 1959, pp 2, 3.

JPRS L-1995-D

Mysticism: An Historical Phenomenon, by F. Zugravu, I. Sava, 4 pp. RUMANIAN, np. Scinteis Tineretului, Vol XV, No 3278, 27 Nov 1959, Bucharest, p 2.

JPBS I-1994-D

The School and Life, by R. Mihalevici, (DC-3362).
RUMANIAN, np, Tribuna, Vol III, No 51, Cluj, 17 Dec 1959, p 8.

#JPRS

Has Religion Always Existed?, by Ion Semeniuc, 3 pp. RUMANIAN, per, <u>Viata Studenteasca</u>, Vol IV, No 11, Bucharest, 1959, p 5.

JPRS L-2010-D

Education in Slovakia During the School Year 1958/59, by Jan Mauks, (DC-3349). SLOVAK, per, Jednotna Skola, Vol XIV, No 9, Bratislava, 1959, pp 844-852.

### Eastern Europe Geographic

Bibliography of the Most Important Works and Articles on Bulgarian Geography Published in Bulgaria in 1944-1959, Part I, by Lyubomir Dinev, (NY-3357).
BULGARIAN, per, Geografiya, Vol II, No 8,

BULGARIAN, per, Geografiya, Vol IX, No 8, Sofia, 1959, pp  $\overline{23}$ , 24.

\*JPRS

Navigators on the Cerna, by Miroslav Malik. CZECH, per, La Krasami Domova, Vol V, No 8, 1959, pp 184-186. (Call No DB 191.Zll, Eng Tr).

AXS

Vorkuta, by Adolf Karger. GERMAN, per, Geographische Rundschau, Vol XI, No 8, 1959, pp 311-315. (Call No Gl, G42, Eng Tr).

AMS

1:75,000 Tourist Map by the State Map Publication Establishment. POLISH, per, Czapismo Geograficzne, Vol XXX, No 1, 1959, pp 107, 108. (Call No G23, C99, Eng Tr).

AMS

Geographical Names in Warmia and Mazury, by Janusz Golaski. POLISE, per, Przeglad Geodezyjny, Vol XV, No 3, 1959, pp 102, 103. (Call No QB275, P97, Eng Tr).

AMS

Basic Tasks of the Chief Administration of Geodesy and Cartography, by Borys Szmielew. POLISH, per, Przeglad Geodezyjny, Vol XV, No 7, 1959, pp 250-256.

JPRS 2154-N

Organizational Information on the Association of Polish Geodesists and the Main Office of Geodesy and Cartography, by H. Jasinski, (NY-3494).
POLISH, per, Przeglad Geodezyjny, Vol XXXI, No 10, Warsaw, 1959, pp 406-409.

\*JPRS

### Biographic

Some Personalities at the Technical University and the Ministry of Construction, (DC-3358). HUNGARIAN, rpt, Radio Free Europe Item No 3154/59, 3 pm.

#### NORTHERN EUROPE

### Economic

The Asnaes Hydroelectric Plant, by Th. Brodersen.

DANISH, per, Ingenioren, Vol LXVIII, No 12, 1959, parts of pp 377-394. Call No TA4, T46, Eng Tr).

AMS

### Military

Subsistence in the Armed Forces, 5 pp. NCRWEGIAN, per, Morges Forsvar-Utgitt av Norges Forsvarsforening, No 1, 1959, pp 13-15.

ACSI, H-5004

What Direction Is Being Taken by the Great Powers' Development of Tanks?, 9 pp. SWEDISH, per, Militar Teknisk Tidskrift, Mar 1959, pp 5-13.

ACSI, H-6050, A

Some Primary-Weapons Problems in Tanks, by Sven-Axel Hagberg, 6 pp. SWEDISH, per, Militar Teknisk Tidskrift, Mar 1959, pp 20-25.

ACSI, H-6050, B

#### Geographic

Finland, by G. Lundqvist.

GERMAN, per, Kartograph Nachrichten, No 2,
1959, pp 38-40. (Call No GAlOl, K21, Eng Tr).

AMS

A Trip to Raastojaure - Lake of the Char (Fish), 3 pp.
SWEDISH, up, Dagens Nyheter, Stockholm,
2) Aug 1959.

JPRS L-1971-D

They Live Along a One Hundred Fifty Year Old Boundary, 3 pp. SWEDISH, np, Dagens Nyheter, 13 Sep 1959.

JPRS L-1971-D

## NEAR EAST/AFRICA

### Economic

Sec 1. Railroads; Sec 2. Roads and Land Transport; Sec 3. Inland Waterways. ARABIC, bk, Ministry of Communications, Egypt, Report of Operations During the Period 1952-1959.

\*ACSI, H-6008

Trade and Payments Agreement, Sugar Purchase Agreement, and Customs Agreement Between the Sudan and the United Arab Republic, 16 pp. ARABIC, rpt, Encl 1-3 to Desp 150, AmEmbassy, Khartoum, 30 Nov 1959.

Dept of State

Sudan-United Arab Republic Nile Waters Agreement, 6 pp.
ARABIC, rpt, Encl to Desp 157, AmEmbassy, Khartoum, 9 Dec 1959.

Dept of State 4407783

Trade Agreement Between the Iraq Republic and the People's Republic of Albania, 4 pp. ARABIC, rpt, Encl to Desp 361, AmEmbassy, Baghdad, 29 Oct 1959.

Dept of State 4293231

Saudi Arabia's Petroleum Program and Plans for the Future, Interview With Shaikh Abdullah Tariki, 4 pp.

ARABIC, np, Al Bilad, 13 Oct 1959, Encl to Desp 129, AmEmbassy, Jidda, 23 Nov 1959.

Dept of State 4406684

Rules of Navigation and Circular Re: Projectors (UAR), 3 pp.
FRENCH, rpt, Regles de la Navigation et
Circulaire pour les Projecteurs, publ by
Suez Canal Organization.

Maritime Admin

The Sources of Power for the Economic Development of Morocco.

FRENCH, per, Industries et Travaux d'Outremer, No 68, 1959, pp 509-514. (Call No HC279.I42, Eng Tr).

AMS

# Hear Hast/Africa Becommic (Conti)

Legislative Decree & 4002. Institution of Tax and Certain Other Measures to Promote Productive Investment, 5 pp. GREEK, rpt, Encl to Desp 427, AmEmbassy, Athens, 17 Nov 1959.

Dept of State 4405732

Parliamentary Speech on the Status of the Greek Economy, by Minister of Coordination Aristidis Protopapadakis, 4 pp. GREEK, per, <u>Kathimerini</u>, 25 Nov 1959, Encl to Desp No 453, Amembassy, Athens, 27 Nov 1959.

Dept of State 4407276

Greece Spells Tobacco, by Dem. Filaretos, 4 pp. GREEK, np, Naftemboriki, 27 Oct 1959, Encl to Desp 477, AmEmbassy, Athens, 3 Dec 1959.

Dept of State

## Political

Legislative Decree No 139, 12 June 1959, on the Organization of the Directorate of Public Security, 20 pp. ARABIC, rpt, 4 Nov 1959.

ID 2126531

Nationalism and Communism, by Aziz al-Hajj, 9 pp.
ARABIC, pamphlet, Al-Quawmiyyah Wa Al-Shuyu'iyyah, Baghdad, 27 Oct 1959, pp 1-25.

JPRS L-1978-D

Iraqi Communist Doctrinary Editorial on Party Unity (Unity of the Party Is the Loftiest Leninist Principle; Marxism-Leninism Will Not Tolerate any Anti-Party Activity by any Blocs), (DC-3801/7).

ARABIC, np, Ittihad ash-Sha'b, 4 Dec 1959, Baghdad, p 5.

Hear Enst/Africa Political (Contd)

Athens, 1959, pp 3-47.

Statutes of the Moroccan Communist Party, 13 pp.

FRENCH, pasphlet, Statuts Parti Communiste Marocain, Casablanca, 25 Mar 1959, pp 1-13.

JPRS L-1991-D

Return to the Fatherland, by El. Apostolou, 39 pp. GREEK, pamphlet, Epistrofi Stin Patrida,

JPRS L-2000-D

Order No 18 of 1959 on Basic Democracies (Pakistan), 5 pp.
HINDI, rpt, Encl to TOICA A-1495, Karachi, 16 Dec 1959.

Interntl Coop Admin

# Military

Suspicious Doings on Iranian Coasts, 3 pp. RUSSIAN, np, Sovet Flot, 4 Sep 1959, p 3.

AF 1256290

# Geographic

Mapping in Overseas Portugal, by Manuel Affonso Dias.

PORTUGUESE, per, Garcia de Orta: Revista da Gunta das Missoes Geograficas e de Investigacoes do Ultramar, Vol VII, No 1, pp 173-185. (Call No EIF 343482, Eng Tr).

AMS

Iran, by Genin.
RUSSIAN, bk, <u>Iran</u>, Moscow, 1958, pp 1-8.
(Call No EIF 343028, Eng Tr).

AMS

#### FAR BAST

## Economic

Economic and Cultural Statistics on Communist China Compiled by the State Statistical Bureau, 195 pp.

CHINESE, bk, Wei-ta Ti Shih-nien (Chung-hua Jenmin Kung-ho-kuo Ching-chi Ho Wen-hua Chien-she Cheng-shu Ti T'ung-chi), Peiping, 1 Sep 1959, pp 1-198.

CIA/FDD Tr 737

Wu-han 1958 Economic Statistical Report, (NY-3421).

CHINESE, np, Ch'ang-chiang Jih-pao, Hankow, 21 Jan 1959, pp 1, 2.

\*JPRS

Shanghai Work Report, 1958, 1959, by Ts'ao Ti-ch'iu, (DC-3338). CHINESE, np, Chieh-fang Jih-pao, Shanghai, 14 Jun 1959, pp 1-3.

**\*JPRS** 

Mobilize All Active Elements, Welcome the Construction Tasks of the Chemical Industry's Second Five-Year Plan, by Chang Chen, (DC-3363). CHINESE, per, Chien-she Yueh-k'an, No 11, 1957, pp 4-9.

\*JPRS

Exert Strenuous Effort to Carry Out the Leap Forward in the Pottery Industry, 7 pp. CHINESE, per, Chung-kuo Ch'ing-kung-yeh, No 11, 13 Jun 1958, pp 21, 22.

JPRS 2144-N

Domestic Manufacture of Double and Quadruple Channel Porcelain Insulators for Protection of Pyro-Electric Thermocouples, by T'ang Shou-i, 6 pp.

CHINESE, per, Chung-kuo Ch'ing-kung-yeh, No 13, 13 Jul 1958, p 9.

JPRS 2144-N

Experience in Use of Split Pigskin in the Manufacture of Glossy Leather, 4 pp. CHINESE, per, Chung-kuo Ch'ing-kung-yeh, No 13, 13 Jul 1958, p 11.

JPRS 2144-N

Far Bast Economic (Contd)

1959, pp 1-3.

pp 17-23.

Wen-chou Leather Factory Secures Rapid R'se in Production After Successful Manufacture of Shoes for Industrial and Agricultural Workers, 5 pp.

CHINESE, per, Chung-kuo Ch'ing-kung-yeli, No 13, 13 Jul 1958, pp 26, 27.

JPRS 2144-N

Comparison of Ceramic With Iron and Steel, 3 pp. CHINESE, per, Chung-kuo Ch'ing-kung-yeh, No 15, 13 Aug 1958, pp 8.

JPRS 2144-N

Great Leap Forward Called for in Light Industry in the New Situation, by Sha P'ing, 7 pp. CHINESE, per, Chung-kuo Ch'ing-kung-yeh, No 15, 13 Aug 1958, pp 9, 10.

JPRS 2144-N

Experience in Establishment of Small-Scale Paper Mill in Fukien, 4 pp. CHINESE, per, Chung-kuo Ch'ing-kung-yeh, No 15, 13 Aug 1958, p 14.

JPRS 2144-N

Results of Heilungkiang 1958 Economic Plan, (DC-3332). CHINESE, np, Heilungkiang Jih-pao, Harbin, 6 Feb 1959, pp 1-3.

\*JPRS

Honan Province Work Report, by Yang Wei-ping, (DC-3339). CHINESE, np, Honan Jih-pao, Cheng-chou, 16 Jan-

\*JPRS

The Continued Leap Forward in Industrial Production in Anhwei in 1959, by Li Jen-chih, (DC-3502/12).
CHINESE, per, Hung-ch'1, No 22, 16 Nov 1959,

\*JPRS

Concerning Some Problems on Equivalent-Value Exchange and Distribution According to Labor, by Kuan Meng-chueh, (DC-3502/12). CHINESE, np, Hung-ch'i, No 22, 16 Nov 1959, pp 30-41.

Far Bast Economic (Contd)

p 2.

Guarantee That Industrial Production Will Rise in Balance While Developing at High Speed, by Hsu Hsin-hsueh, (DC-3502/14). CHINESE, per, Hung-ch'i, No 24, 16 Dec 1959, pp 21-23.

\*JPRS

Overcome the Weak Cycles, Realize an All-Around Leap Forward in Industrial Production, by Sun Hung-chih, (DC-3502/14). CHINESE, per, Hung-ch'i, No 24, 16 Dec 1959, pp 23-28.

\*JPRS

Mathematics and the Realities of Production, by Kuan Chao-chih, (DC-3502/14). CHINESE, per, <u>Hung-ch'i</u>, No 24, 16 Dec 1959, pp 35-40.

\*JPRS

Canton 1959 Economic Plan, by Liang Hsiang, (NY-3420). CHINESE, np, Kuang-chou Jih-pao, 13 Jul 1959,

\*JPRS

Results of Canton 1958 Economic Plan (NY-3417). CHINESE, np, Kuang-chou Jih-pao, 31 Dec 1958, pp 1, 2.

\*JPRS

Kwangsi 1957 Final and 1958 Draft Budgets, by Kuo Ch'eng, (NY-3382). CHINESE, np, Kwangsi Jih-pao, Nan-ning, 15 Mar 1958, pp 3, 4.

**\*JPRS** 

Liaoning 1957 Final and 1958 Draft Budgets, (NY-3383).
CHINESE, np. Liaoning Jih-pao, Mukden, 3 Dec.

CHINESE, np, Liaoning Jih-pao, Mukden, 3 Dec 1958, p 3.

\*JPRS

Draft of 1959 Economic Plan for Szechwan, by Li Pin, (NY-3416). CHINESE, np, Szechwan Jih-pao, 25 Jun 1959, Ch'eng-tu, p 2.

\*JPRS

Szechwan 1958 Final and 1959 Draft Budgets, by Chang Hu-ch'en, (DC-3304). CHINESE, np, Szechwan Jih-pao, Ch'eng-tu, 25 Jun 1959, pp 2, 3.

**#JPRS** 

Far Bast Secnomic (Contd)

1959, pp 8-11.

Water and Soil Conservation Problems of the Kuarting-shan Gorge of the Yung-ting River, by Chao Sung-ch'iao, 56 pp.
CHINESE, per, Ti'li Chi-k'an, No 1, Oct 1957, pp 1-37.

JPRS 1097-D

Great Accomplishments of China's Paper Manufacturing Industry During the Last Decade, by Li Tsai-yun, (NY-3353).
CHINESE, per, Tsao-chih Kung-yeh, No 10, 7 Oct

\*JPRS

Results of Expanded Operation of Small-Scale Paper Mills During the Last Year, (NY-3353). CHINESE, per, Tsao-chih Kung-yeh, No 10, 7 Oct 1959, pp 11, 12.

**\*JPRS** 

Certain Paper Manufacturing Items From the Peiping Exhibition, by Kuan Chia-jui, (NY-3353). CHINESE, per, Tsao-chih Kung-yeh, No 10, 7 Oct 1959, pp 45, 46.

\*JPRS

Tsingtao 1958 Final and 1959 Draft Budgets, by Sun Kang, (DC-3303). CHINESE, np, Tsingtao Jih-pao, 31 Jul 1959, p 2.

**#JPRS** 

Revisions of the Principal Targets in the 1959 Economic Plan for Shantung Province, by Pai Ju-ping, (NY-3415). CHINESE, np, Tsingtao Jih-pao, 19 Sep 1959, p 2.

\*JPRS

Yunnan 1958 Final and 1959 Draft Budgets, by Liu Cho-fu, (NY-3381). CHINESE, np, Yunnan Jih-pao, K'un-ming, 18 Jul 1959, pp 3.

**#JPRS** 

Far East Economic (Contd)

Royal Ordinances on Domestic and International Postal Rates and Charges of the Kingdom of Laos, 8 pp.

FRENCH, rpt, Lao Royal Ordinance No 209 of 23 Jun 1959, pp 1-7.

JPRS L-2014-D

Shensi Province, by Guenther Koehler, (NY-3485). GERMAN, monograph, Geographische Forschungen, Innsbruck, Germany, 1958, pp 115-122.

\*JPRS

Annual Report of the Indonesian Ministry of Shipping for 1958, (DC-3365). INDONESIAN, bk, Kementerian Pelajaran - Laporan Masa Tahun 1958, Djakarta, 1959, pp 5-162.

\*JPRS

Agricultural Production in China During the First Half of 1959, by Kenji Asakawa, 11 pp. JAPANESE, per, Ajia Keizai Jumpo, No 408, 20 Sep 1959, pp 1-8.

JPRS 2118-N

Ten Years in China's Machine Industry, by Ozaki Shotaro, (NY-3419).

JAPANESE, per, Ajia Keizai Jumpo, No 412, 1 Nov 1959, pp 1-10.

\*JPRS

Statistical Work in North Vietnam, (NY-3418). JAPANESE, per, Ajia Kenkyu, No 196, 1 Dec 1959, pp 15-17.

**#JPRS** 

Construction Work in Various Enterprises in China's Iron and Steel Industry, (DC-3333). JAPANESE, per, Ekafe Tsushin, No 211, 21 Nov 1959, pp 46, 56-74.

\*JPRS

Facilities and Equipment of Sakhalin Fishery Administration, and the Nakhodka Fishing Port, by Ueno Takeo, 3 pp. JAPANESE, per, Suisenkai, Jul/Aug 1958, 651411...

HQ, USACRAPAC, PP Foreign Collation, Cartographic Br

Transportation and Economy.

JAPANESE, per, Unyu to Keizai, Jul 1959, 65 pp.

USACRAPAC, PD Tr 100249 Far Bast Sconomic (Contd)

KOREAN, per, Chaejong Kumyung, No 11, 1958, p 43.

\*JPRS

Questions Related to the Lowering of Value in Capital Construction, by Won Hong-bin, (DC-3325). KOREAN, per, Chaejong Kumyung, No 11, 1958, pp 63, 64.

\*JPRS

Silviculture and Forestry Exploitation in Mongolia, by Aurel Dediu, Nicolae Georgescu, (NY-3374).

RUMANIAN, per, Revista Padurilor, Vol LXXIV, No 9, 1959, pp 508-512.

\*JPRS

Exports and Imports in 1957 and 1958 Between USSR and Communist China, North Korea, and Outer Mongolia, 57 pp.
RUSSIAN, bk, Vneshnyaya Torgovlya SSSR za 1958, Moscow, 1959, 651414.

HQ, USACRAPAC, FP Foreign Collation, Cartographic Br

The State of Scientific Research Works in the Fields of General, Technical and Agricultural Microbiology in China, by Fan Sun-fan. RUSSIAN, per, Mikrobiol, Vol XXVIII, No 5, 1959, pp 786-788.

**#USDA** 

The Road to Socialist Industrialization in the Chinese Peoples Republic, by Fu Tszo-sin', 5 pp. RUSSIAN, np, Pravda, 2 Oct 1959, p 4.

JPRS 1071-D

Creation and Development of Industry in the Mongolian People's Republic, by B. Surmazhab. RUSSIAN, per, Sovrem Mongoliya, No 7, Ulanbator 1959, pp 7-13. (Call No DS935, S72, Eng Tr).

**EMA** 

Operation of 850/730/530-mm Continuous Billet Mill With Vertical Rolls in the Chinese People's Republic, by I. F. Belobrov, I. G. Bukhvostov, A. Ye. Milikhin, 12 pp. RUSSIAN, per, Stal, No 9, 1959, pp 812-817.

JPRS L-1164-N

Far East Economic (Contd)

Peiping as the Leading Town in Construction and Architecture of People's China, by P. Prikhod'ko, RUSSIAN, per, Stroitel i Arkhitektura, Vol VII, No 9, 1959, pp 26-29. (Call No TH4, S93, Eng Tr).

AMS

Development of Railroad Transportation in China, by Teng Tai-Yuan.

RUSSIAN, per, Zheleznodorozhnyy Transport, No 9, 1959, pp 81-86. (Call No HE3131, Z63, Eng Tr).

AMS

Agricultural Cooperativization Movement in Thai Binh Province, by Ngo Duy Dong, 10 pp. VIETNAMESE, np, Nhan Dan, No 1890, 19 May 1959, p 3.

JPRS 1083-D

Agricultural Cooperativization in Mountainous Regions, by Ha Dang, 5 pp. VIETNAMESE, np, Nhan Dan, No 1904, 2 Jun 1959, p 3.

JPRS 1083-D

Further Cooperation With Middle Class Peasants Necessary for Agricultural Cooperativization, by Hoang Tung, 4 pp.
VIETNAMESE, np, Nhan Dan, No 1912, 10 Jun 1959, p 3.

JPRS 1083-D

### Political

Impressions From a Study of Enger's Theory on "Citizen's Communes," by Fan Hung, 10 pp. CHINESE, bk, Hsueh-hsi Ma-k'o-ssu, En-ko-shih, Lieh-ning, Shih-ta-lin Kuan-yu Kung-ch'an Chu-i-ti Li-lun, Peiping, Apr 1959, pp 42-51.

JPRS 1093-D

The Thinking of Mao Tse-tung Is Our Banner of Victory, by Liu Tzu-chiu, (NY-3365). CHINESE, per, Cheng-chih Hsueh-hsi, No 19, 12 Oct 1959, pp 2-7.

Far East Political (Contd)

From the Theoretical Side, We Must Defeat the Tide of Anti-Marxist Thinking, by Yu Chao-yuan, (NY-3365).

CHINESE, per, Cheng-chih Hsueh-hsi, No 19, 12 Oct 1959, pp 15-20.

\*JPRS

Seeking the Source of Rightist Opportunist Ideology, by Yu Sui-an, (NY-3365). CHINESE, per, Cheng-chih Hsueh-hsi, No 20, 27 Oct 1959, pp 8-12.

\*JPRS

The Difference Between the Peoples Commune and the Advanced Agricultural Cooperative, by Liu Chou, (NY-3438).

CHINESE, per, Cheng-chih Hsueh-hsi, No 21/22, 27 Nov 1959, pp 39-42.

\*JPRS

Industry Must Use Modern Techniques to Arm Agriculture, by Hsiao Te-chou, (NY-3438). CHINESE, per, Cheng-chih Hsueh-hsi, No 21/22, 27 Nov 1959, pp 9-13.

\*JPRS

Under the Personal Teaching and Guidance of Comrade Liu Shao-ch'i, by Lu Chen-yu, Chiang Ming, (NY-3438).
CHINESE, per, Chung-kuo Ch'ing-nien, No 23,

1 Dec 1959, pp 25-28.

16 Dec 1959, pp 20-23.

\*JPRS

Under the Personal Teaching and Guidance of Comrade Liu Shao-ch'i, by Lu Chen-yu, Chiang Ming, (NY-3438).
CHINESE, per, Chung-kuo Ch'ing-nien, No 24,

\*JPRS

More on the New Stage of the Women's Movement, (NY-3438). CHINESE, per, Chung-kuo Fu-nu, No 23, 1 Dec 1959, pp 1-5.

\*JPRS

Report on Intermediate Court Work in Harbin City (To the Second Session, Third Harbin Peoples Congress), (DC-3280). CHINESE, np, Harbin Jih-pao, 7 Apr 1959, p 3.

Far East Political (Contd)

Significant National-International Developments During 16-30 September 1959, 207 pp. CHIMESE, per, Hain-hua Pan-yush-k'an, No 19, Oct 1959, pp 182-185.

JPRS 1106-D

Important International and National Events (16-31 October 1959), (DC-3503/10). CHINESE, per, Hsin-hua Pan-yueh-k'an, No 21, 12 Nov 1959, pp 183-185.

\*JPRS

Important International and National Events (1-15 November 1959), (DC-3503/11). CHINESE, per, Hsin-hua Pan-yueh-k'an, No 22, 27 Nov 1959, pp 183-185.

\*JPRS

Important International and National Events (16-30 November 1959), (DC-3503/12). CHINESE, per, Hsin-hua Pan-yueh-k'an, No 23, 12 Dec 1959, pp 183-185.

\*JPRS

Important International and National Events (1-15 December 1959), (DC-3503/13). CHINESE, per, Hsin-hua Pan-yueh-k'an, No 24, 27 Dec 1959, pp 183-185.

\*JPKS

Look At the Over-All Picture and the Main Trends, Distinguish the Direction of the Wind, Mobilize the Active Elements, by Yu Ch'iu-li, 8 pp. CHINESE, per, Hung-chi, No 21, 1 Nov 1959, pp 10-14.

JPRS 1098-D

Lenin's Great Legacy, by Chiang Ch'un-fang, 4 pp. CHINESE, per, Hung-chi, No 21, 1 Nov 1959, pp 17-19.

JPRS 1098-D

A Model for Carrying Out Construction Greater, Better, Faster, and More Economically, by Chao P'eng-feng, Li Ch'en, 14 pp. CHINESE per, Hung-chi, No 21, 1 Nov 1959, pp 30-

JPRS 1098-D

Far East Political (Contd)

pp 1-4.

pp 5-7.

Abstracts From Party Organs of Various Localities, 14 pp. CHINESE, per, Hung-chi, No 21, 1 Nov 1959, 38-49.

JPRS-1098-D

Fully Develop the Fun ion of the Advanced Producer in Mass Movemats, by Liu Ting-i, (DC-3502/12).
CHINESE, per, Hung-ch'i, No 22, 16 Nov 1959,

\*JPRS

Develop the Technical Innovation Movement on an Even Larger Scale, by Hsu Hsin-hsueh, (DC-3502/12). CHINESE, per, Hung-ch'i, No 22, 16 Nov 1959,

\*JPRS

In the Face of Newly Born Things, by Shih Tung-hsiang, (DC-3502/12). CHINESE, per, Hung-ch'i, No 22, 16 Nov 1959, pp 7-10.

\*JPRS

"Paths" Are Carried Out by People, by Members of the Feng-wu Commune in the Ta-li Pai Nationality Autonomous Chou in Yunnan, (DC-3502/12). CHINESE, per, Hung-ch No 22, 16 Nov 1959, pp 24-29.

\*JPRS

The Problem of Being Red and Specialized Is a Problem of World Viewpoint, by Hu Sheng, (DC-3502/13). CHINESE, per, Hung-ch'i, No 23, 1 Dec 1959, pp 1-6.

\*JPRS

The Slogan of So-Called "Freedom, Equality, and Fraternity," by Chi Yao-shih, (DC-3502/13). CHINESE, per, Hung-ch'i, No 23, 1 Dec 1959, pp 9-11.

\*JPRS

Carry Cut the Revolution in the Organization of Production in the Coal Mining Enterprises, by Chang Lin-chih, (DC-3502/13). CHINESE, per, Hung-ch'i, No 23, 1 Dec 1959, pp 12-16.

Far East Political (Contd)

One Result of the Labor Competitions, by Chao Min, (DC-3502/13). CHINESE, per, Hung-ch'i, No 23, 1 Dec 1959, pp 17-23.

\*JPRS

Use the National Resources for Serving Socialist Construction as Effectively as Possible, by Wu Heng, (DC-3502/13). CHINESE, per, Hung-ch'i, No 23, 1 Dec 1959, pp 35-41.

\*JPRS

The West Berlin Question Viewed From the Angle of International Law, by Chou Keng-sheng, 11 pp. CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 1, 3 Mar 1959, pp 40-45.

JPRS 1102-D

The False Theory of "Two Chinas" and the Principles of International Law, by Shao Chin-fu, 19 pp.
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 2, 3 Jun 1959, pp 7-17.

JPRS 1102-D

Overall and Thorough Disarmament Is the Most Important Problem of the Present, by Wang Chien-sheng, (NY-3438). CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 8, 3 Dec 1959, pp 1-7.

\*JPRS

The Present International Situation Viewed From the Geneva Foreign Ministers' Conference, by Shao Wen-shih, 12 pp. CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 5, 3 Sep 1959, pp 1-7.

JPRS 1102-D

The So-Called McMahon Line From the Viewpoint of International Law, by Wei Liang, 10 pp. CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 6, 3 Oct 1959, pp 24, 47-52.

JPRS 1102-D

Report on the Lesser Sundas, Indonesia, 1952-1957, by Sarimin Reksodihardjo, 125 pp.
INDONESIAN, bk, Memori Penjerahan Gubernur,
Kepala Daerah Propinsi Nusa Tenggara, Vol I,
Singaradja, 30 Mar 1957, pp 1-108.

JPRS 1096-D

Fer East
Political (Contd)

Why Is He Drifting Away From the Life of Min? by Ch'ong, (DC-3282).

KCREAN, per, Cy'ongnyon Saenghwal, No 6, 1959, pp 27, 38.

\*JPRS

Problems in Methods of Teaching Communism Through Russian Language Training, by Kim T'ae-yong, (DC-3282).

KOREAN, per, Inmin Kyoyuk, No 7, 1959, pp 38-41.

\*JPRS

In the Course of Executing Comrade Premier Kim Il-song' Instructions Experience Gained in the P'yongyang Prosecutor's Office, by Ch'oe Hak-su, (DC-3282). KOREAN, per, Minju Sabop, No 5, 1959, pp 33-38.

\*JPRS

Good Political Tasks Are the Main Responsibility of the Judiciary and Police Organizations, (DC-3282).

KOPEAN, per, Minju Sabop, No 6, 1959, pp 3, 4.

\*JPRS

For Accurate Disposition of Cases Involving Persons of Unknown Origin and Identification, by Pack Man-su, (DC-3282).

KOREAN, per, Minju Sabop, No 6, 1959, pp 20-22.

\*JPRS

Rules on Identification and Fingerprinting of Offenders, by Lee Kyong-yong, (DC-3282). KOREAN, per, Minju Sabop, No 7, 1959, pp 52-56.

\*JPRS

Recent Purgees in North Korean Labor Party, 17 pp.

KOREAN, np, Nodong Simmun, P'yongyang, 14, 20, 24, 27, 29, 30, 31 Jul-1, 2, 4, 10 Aug 1959. 651409

HQ, USACRAPAC, FP Foreign Collation and Cartographic Branch

Experiences We Have Had in Training Executives, by Li Kwang-sil, (DC-3282).

KOREAN, per, Tang Kanbudulege Chunun
Ch'amgo Charyo, No 2, 1959, pp 39-43.

Far East Political (Contd)

Familyism Cannot Be Conquered Without a Positive System of Political Activities, by O. Yong-su, (DC-3282).

KORFAN, per, Tang Kanbudulege Chunun Ch'amgo Charyo, No 2, 1959, pp 19-53.

\*JPRS

Operational Experiences of the Center for Research in the History of the Korean Workers Party, by Kim Chang-yon, (DC-3282). KCREAN, per, Tang Kanbudulege Chunun Ch'amgo Charyo, No 6, 1959, pp 19-21.

\*JPRS

What Are the General Leadership and Individual Leadership And In What Manner May They Be Correctly Combined, by Pak Chong-sun, (DC-3282).

KORRAN, per, Tang Kanbudulege Chunun Ch'amgo Charyo, No 6, 1959, pp 26-33.

\*JPRS

Criticism of Several Philosophical and Sociological Views of Bourgeois Right-Wing Elements and Revisionists in China, (1957-1958), by Kuo Shao-t'ang, (DC-3302).
RUSSIAN, per, Problemy Vostokovedeniya, No 5, 1959, pp 83-92.

\*JPRS

# Military

Liberation Army Pictorial, 11 pp. CHINESE, per, Chieh Fang Chun Hua Pao, No 9, 1 May 1959.

ID 2118283

Liberation Army Pictorial, 11 pp. CHINESE, per, Chieh Fang Chun Hua Pao, No 10, 16 May 1959.

ID 2118287

Fifteen Years of Expansion of the Army Medical Branch, by Vu Van Can, (DC-3309). VIETNAMESE, np, Nhan Dan, No 2107, 23 Dec 1959, Hanoi, p 3.

\*JPRS

Artillery Training Conference, (DC-3310). VIETNAMESE, np, Quan Doi Nhan Dan, No 662, 21 Nov 1959, Hanoi, pp 1-4.

Far East Military (Contd)

Military Training Plans for 1959, by General Hoang Van Thai, (DC-3310).

VIETNAMESE, np. Quan Doi Mhan Dan, No 664, Kanoi, 26 Nov 1959, pp 1, 2.

#JPRS

Editorial on Basic Training, (DC-3310). VIETNAMESE, np. Quan Doi Mhan Dan, No 666, Hanoi, 1 Dec 1959, p 1.

\*JPR9

Reserve Officers Training in Thai Binh, (DC-3310).

VIETNAMESE, np, Quan Doi Mhan Dan, No 669, Hanoi, 8 Dec 1959, pp 1, 2.

\*JPRS

Editorial on People's Armed Security Forces, (DC-3311). VIETNAMESE, np. Quan Doi Mhan Dan, No 670, Hanoi, 10 Dec 1959, p 1.

\*JPRS

History of People's Armed Security Forces, (DC-3311). VIETNAMESE, np, Quan Doi Nhan Dan, No 670, Hanoi, 10 Dec 1959, p 2.

\*JPRS

Medical Bureau's Scientific Research Programs, (DC-3309).

VIETNAMESE, per, Tin Tuc Hoat Dong Khoa Hoc, No 5, Hanoi, 1959, pp 18, 19.

\*JPRS

### Geographic

The Hill City of Chungking, by Chao T'ing-chien, 16 pp.
CHINESE, per, <u>Ti-li Chih-shih</u>, Peiping,
Mar 1958, pp 102-105.

JPRS-2093-N

Tropical and Sub-Tropical Calcareous Soils of China, by Chang Chun-min, 12 pp. CHINESE, per, Ti-li Chih-shih, Vol IX, No 10, Peiping, 1958, pp 476-478.

JPRS-2130-N

Tientsin, by Chi Tai, ll pp. CHINESE, per, Ti-li Chih-shih, No ll, Peiping, 1958, pp 494-496.

JPRS-2094-N

Far East Sociological

State Agricultural Marketing Board Labor (Regulation of Employment) Order 1959, 7 pp. EURIGESE, rpt, Encl to Desp 289, Amenbasey, Rangoon, 18 Nov 1959.

Dept of State 4405089

Report on the Work of the People's Courts of Anhwei Province, China, by Ch'en Yuan-liang, 10 pp.
CHINESE, np, Anhwei Jih Pao, Ho'fei, 10 Nov 1958, p 3.

JPRS-1078-D

Oppose Local Nationalism, Correctly Settle Nationality Relations, by Ma Ta-chun, 15 pp. CHINESE, per, Chiao-hsueh Yu Yen-chiu, No 6, Peiping, 1958, pp 16-20.

JPRS-1112-D

Report on a Year's Work of the People's Courts of Fukien Province, China, by Chao Yuan, 12 pp.
CHINESE, np, Fukien Jih-pao, Foochow, 13 Feb 1959, p 3.

JPRS-1077-D

The Great Accomplishments in Middle and Elementary Education in the Last Ten Years, by Kuo Lin, (DC-3283). CHINESE, per, Fu-tao-yuan, No 10, Peiping, 12 Oct 1959, pp 4, 5, 27.

\*JPRS

Several Problems Concerning the Study of the History of Chinese Philosophy, by Feng Yu-lan, (NY-3438). CHINESE, per, Hsin Chien-she, No 12, Peiping, 7 Dec 1959, pp 26-36.

\*JPRS

Oppose the Rightists, Be Enthusiastic, Balance Increased Production and Economy, Broaden Cultural Revolution, by Lu Ting-i, (DC-3334). CHINESE, per, Hsin-hua Pan-yueh-kan, No 22, Peiping, 27 Nov 1959, pp 46-50.

Field Teaching Fruitful and Thorough, (DC-3334).
CHINESE, np, Jen-min Jih-pao, Peiping, 2 Dec 1959, p 4.

**#JPRS** 

Kwangtung Newly Constructed Higher Schools Advance Swiftly to Achievement, (DC-3334). CHINESE, np, Jen-min Jih-pao, Peiping, 11 Dec 1959, p 4.

\*JPRS

18 Middle Schools in Harbin Work Hard and Study Red Flag, (DC-3334). CHINESE, np, Jen-min Jih-pao, Peiping, 11 Dec 1959, p 4.

\*JPRS

Scientific Research in the Higher Level Schools Advances One Step, (DC-3334). CHINESE, np, Jen-min Jih-pao, Peiping, 17 Dec 1959, p 6.

Fukien Middle School Educational Great Leap, (DC-3334). CHIESE, np, Jen-min Jih-peo, Peiping, 21 Dec 1959, p 6.

\*JPES

Good Prospects for the Linking of Education and Production, (DC-3334).
CHINESE, up, Jen-min Jih-pao, Peiping, 25 Dec 1959, p 6.

\*JPRS

The Great Revolution and the Great Development in China's Educational Program, by Yang Haiu-feng, (DC-3323).
CHIMESE, np, Jen-min Jih-pao, Peiping, 8 Oct 1959, p 7.

\*JPRS

Of Your Own Power Nourish Spare-Time Teachers, (DC-3334). CHINESE, np, Jen-min Jih-pao, Peiping, 1 Dec 1959, p 4.

\*JPR8

The Great Accomplishments of Political Theory Education Work in Hopeh Province in the Last Ten Years, by Tseng Chun, (DC-3283). CHINESE, per, Li-lun Chan-haien, No 10, Wu-ch'ang, 10 Oct 1959, pp 5-12.

\*JPRS

The Great Accomplishments and Main Experiences of Educational Reforms in the Last Ten Years, by P'an Mou-yuan, (DC-3283).

CHINESE, per, Lun-t'an, No 5, Amon, 1959, pp 17-27.

\*JPRS

Watch Out For Grandma Wolf, by Ch'in Mu, 3 pp. CHINESE, per, T'ien-feng, No 9, Shenghai, 11 May 1959, p 17.

JPRS-2100-N

Strip Off Imperialist Religious Cloak, by Wu Yao-tsung, 9 pp. CHINESE, per, T'ien-feng, No 9, Shanghai, 11 May 1959, pp 21-23.

JPRS-2100-N

pp 11, 12.

Intensify Study and Summarize Work, 3 pp.

CHINGE, per, Tien-feng, No 9, Shanghai,
11 May 1959, p 34.

Tsinan Religious Personnel on Agricultural
Battle Line, by Liu Kuan-ching, 3 pp.

CHINESE, per, Tien-feng, No 10, Shanghai,
25 May 1959, p 26.

Welcome the Political Advance and Celebrate
the Labor Harvest, 5 pp.

CHINESE, per, Tien-feng, No 12, 22 Jun 1959,

Be Ever Lastingly Loyal Children of the Party, by Hsu Hsueh-hui, 3 pp. CHINESE, per, T'ien-feng, No 12, Shanghai, 22 Jun 1959, p 26.

JPRS-2100-N

JPRS-2100-N

Theologians and the Cold War, by I Wen, 9 pp. CHINESE, per, T'ien-feng, No 13, 6 Jul 1959, pp 20-22.

JPRS-2100-N

With the Commune, Family Life Is Even Better, by Chang I. g, 3 pp. CHINESE, per, T'ien-feng, No 14, 20 Jul 1959, p 11. JPRS-2100-N

New American Secret Plots as Seen at the Cleveland Conference, by Pao Ch'ing, 10 pp. CHINESE, per, T'ien-feng, No 15, Shanghai, 3 Aug 1959, pp 4-6.

JPRS-2100-N

A Visit to Shanghai and Soochow, by Heng,
5 pp.
CHINESE, per, T'ien-feng, No 15, Shanghai,
3 Aug 1959, pp 22, 23.

JPRS-2100-N

Nationalities and Nationality Areas in the
Chinese Peoples Republic, by A. G. Yakovlev,
8 pp.
RUSSIAN, monograph, Resheniye Natsional'nogo
Voprosa i Kitayskoy Narodnoy Respublike,
Moscow, 1959, pp 5-14.

JPRS-1112-D

Democratic and Socialist Transformation in the Chinese National Minorities, by A. G. Yakovlev, 11 pp.
RUSSIAN, monograph, Resheriye Natsional nogo Voprosa i Kitayskoy Narodnoy Respublike, Moscow, 1959, pp 62-75.

JPRS-1112-D

Economic Advance in the Nationalities Areas of the Chinese Peoples Republic, by A. G. Yakovlev, 10 pp.
RUSSIAN, monograph, Resheniye Natsional'nogo Voprosa i Kitayakoy Narodnoy Respublike,
Moscow, 1959, pp 76-90.

JPRS-1112-D

Cultural Development of the National Minorities, by A. G. Yakovlev, 7 pp. RUSSIAN, monograph, Resheriye Natsional'nogo Voprosa i Kitayskoy Narodnoy Respublike, Moscow, 1959, pp 91-101.

JPRS-1112-D

Supplement, by A. G. Yakovlev, 6 pp. RUSSIAN, monograph, Resheniye Natsional'nogo Voprosa i Kitayskoy Narodnoy Respublike, Moscow, 1959, pp 102-111.

JPRS-1112-D

#### WESTERN EUROFE

# Economic

The French Automobile. FRENCH, per, Entreprise, cet 1959, p 13.	ACSI, H-4969, A
Here Are the Reasons Why It Is Not Possible to Neglect the Auto Industry Any More. FRENCH, per, Entreprise, Oct 1959, pp 15-19.	Acsi, H-4969, B
With the Arrival of Winter Our Corporations Will Face the Following Difficulties.	
FRENCH, per, Entreprise, Oct 1959, pp 21-23.	ACSI, H-4969, C
In France Five Concerns Account for Ninety- Six per cent of the Total Production. FRENCH, per, Entreprise, Oct 1959, pp 25-29.	ACSI, H-4969, D
	1001, 1-1,0,, 1
The Manufacturers of Accessories. FRENCH, per, Entreprise, Oct 1959, pp 31-35.	ACSI, H-4969, E
A Picture of the "Automobile" Branch. FRENCH, per, Entreprise, Oct 1959, pp 50-52.	ACSI, H-4969, F
Professional Boards of the German Research Council for 1959-1960, 45 pp. GERMAN, rpt, 1959.	AF 1266037
The Water Supply in Belgium, by A. Jerden. SWEDISH, per, Stadsbyggnad, Vol XXIV, No 1,	
1958, pp 36, 37. (Call No NA 9000, S77, Eng Tr).	AMS

#### Political

FIR International Conference on "The Resistance and the New Generations," by Renato Bertolini, 8 pp.
FRENCH, rpt, 1959, p 10.

JPRS L-1979-D

Article on Peaceful Coexistence and Continuation of the Ideological Battle by Member of Central Committee of French Communist Party (Peaceful Coexistence and the Class Struggle), by Victor Joannes, (DC-3801/7).
FRENCH, per, Cahiers du Communisme, Vol XXXV, No 12, Paris, 1959, pp 1203-1219.

Western Europe Political (Contd)

The Development From the Communist Manifesto of 1848 to the Basic Frogram of 1959, by Eric Dombrowski, 9 pp. GERMAN, per, Allgemeine Zeitung, 28 Oct 1959, Encl to Desp 713, Amembassy, Bonn, 4 Nov 1959.

Dept of State

The Financing of Communist Parties - "Taking Care" of the (Swiss Communist) Labor Party, by Jean-R. de Ziegler. 5 pp.
GERMAN, mp, Neue Zuercher Zeitung, Zuerich, 7 Nov 1959, p 7.

JPRS L-1980-D

A Non-Communist Manifesto, by Leo J. Wollemborg, (DC-3364).
ITALIAN, np, Il Mondo, Rome, 24 Nov 1959.

\*JPRS

Condensation of Heretofore Unpublished Speech of Togliatti to Conference of Representatives of Communist and Workers' Parties, Moscow, 16-19 November 1957 (The Folitical Orientation of Our Party), (DC-3801/7).
ITALIAK, per, Rinascita, Vol XVI, No 11, Rome, 1959, pp 757-762.

\*JPRS

Statements on International Relaxation of Tensions by Italian Communist and Leftist Leaders (Discussion on Relaxation by Leftist Leaders), (DC-3801/7). ITALIAN, np, <u>L'Unita</u>, Rome, 6 Dec 1959, pp 1-10.

\*JPRS

Speech of Italian Communist Party Vice Secretary-General on International Relaxation of Tensions and Party Tasks (The Struggle for Relaxation and the Theses of the PCI in a Speech by Comrade Yongo at Milan), (DC-3801/7). ITALIAN, np. L'Unita, Rome, 14 Dec 1959, p 8.

\*JPRS

Statement on International Relaxation of Tensions by Secretary-General of Italian Peace Committee (The Beginning of Relaxation and the Struggle for Peace), by Velio Spano, (DC-3801/7). ITALIAN, np, L'Unita, Rome, 30 Dec 1959, p 9.

Swiss P58 Tank.

GERMAN, per, Armee-Motor, No 9, 1959, pp 318-324.

\*ACSI, H-5533

72.5

The Military Transmission Service in Switzerland.
GERMAN, per, Pionier, No 4, 1959, pp 83-85.

\*ACSI, H-6092

Ideas for the Creation of an Army Reserve Officers Corps, by Klaus Goernandt, 7 pp. GERMAN, per, Wehrkunde, Aug 1959.

ID 2125611

## Geographic

Explanation of Patent Specification Relating to Mass Production of Relief Maps, by Hans Heiplick, 6 pp.
GERMAN, Austria, 1959, pp 1-6.

AMS

Mizda, Heart of the Ghibla, by Francesco Bono.

ITALIAN, per, Le Vie del Mondo, Vol XV, No 2, 1953, pp 175-180. (Call No Gl, V65, Eng Tr).

AMS

## Sociological

Cultural Agreement Between France and Israel Signed at Paris on 30 November 1959, 5 pp. FRENCH, rpt, Encl 2 to Desp 380, Amembassy, Tel Aviv, 9 Dec 1959.

Dept of State 4407586

#### LATIN AMERICA

## Political |

Information on Outlaw Bands Operating in Colombia, (DC-3312).

SPANISH, thermofax rpt, p 13.

\*JPRS

Russian Communism in Colombia, by S. J. Juan Alvarez, (DC-3322).

SPANISH, booklet, El Comunismo Ruso en Colombia, 112 pp.

\*JPRS

Petroleum Law No 635 of 20 November 1959 (Cuba), 6 pp. SPANISH, rpt, Encl to Desp 797, AmEmbassy, Havans, 30 Nov 1959.

Dept of State 4405768

Thirteen Years of Violence, by Cuellar Vargas, (DC-3313).

SPANISH, bk, Trece Anos de Violencia, 1960, Bogota, Colombia, pp 141-143, 148-156, 166-174.

\*JPRS

Proposed Revaluation of Assets Law (Argentina), 8 pp. SPANISH, np, La Prensa, 12 Nov 1959, Encl to Desp 781, Amembassy, Buenos Aires, 30 Nov 1959.

Dept of State 4301.082

#### Military

Law for Military Personnel (Organic Law of the Armed Forces) (Argentina), 29 pp. SPANISH, rpt, 7 Oct 1959.

ID 2126703

Law and Regulations Concerning Military Decorations and Insignia. (ID 2121265)
SPANISH, bk, Ley y Reglamento de Condecoraciones y Distintivos Militares (RGE 1-2).

\*ACSI, H-5291

Army Uniform Regulations. (ID 2121265) SPANISH, bk, Reglamento de Uniformes del Ejercito (RGE 1-3).

\*ACSI, H-5291

#### SCIENTIFIC

#### Aeronautics

Automation of Airport Communications, 6 pp. RUSSIAN, per, Grazhan Aviatsiya, No 4, AF 1256222 1959, pp 6-9. "Trener-226" Airplane and Its Use, 7 pp. RUSSIAN, per, Kryl'ya Rodiny, No 6, 1959, AF 1256197 р 16. Aeronautical Charts of the Sea, by A. M. Komkov, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 19 Jun 1959, AF 1256175 p 3. It Is Important to Prevent It, 3 pp. RUSSIAN, mp, Sovet Aviatsiya, 26 Jul AF 1256196 1959, p 2. Secondary Losses and Their Influence on the Characteristics of a Turbine Stage, by B. A. Cherkasov. RUSSIAN, per, Trudy Mosk Aviats In-ta, Vol LXVIII, 1956, pp 42-60. TIL T 4959 An Example of the Determination of the Principal Aerodynamic Coefficients From Flight Trials, by G. Leblanc. **RAE** 835 FRENCH, rpt, Agard, No 189, Apr 1959. The M-3 "Pliszka" Glider, 4 pp. POLISH, per, Skrzydlata Polska, No 31, AF 1256153 1959, pp 8, 9. The TU-104 Airliner With Brake Parachutes, 3 pp. POLISH, per, Skrzydlata Polska, No 37, AF 1256304 1959, p 7.

Scientific Astronomy

Discussion of the Possible Sources of Geoactive Corpuscles in the Solar Envelope, by E. R. Mustel', 56 pp.

RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu Zemli, Trudy Konferentsii Komissi po Issledovaniyu Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957, pp 8-37.

Spectroscopic Investigation of Corpuscular Ejections on the Sun, by A. B. Severnyy, 16 pp. RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu Zemli; Trudy Konferentsii Komissi po Issledovaniyu Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957, pp 40-50.

Corpuscular Radiation of the Sun and Topology of the Magnetic Field in the Solar Corona, by Ye. A. Ponsmarev.
RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu

Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu Zemli; Trudy Konferentsii Komissi po Issledovaniyu Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957, pp 69-75.

Magnetic Disturbances in the Circumpolar Region and the Existence of a Second Zone of Their Intensive Activity, by A. P. Nikolskiy.
RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu Zemli; Trudy Konferentsii Komissi po Issledovaniyu Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957, pp 144-158.

On the Connection Between Solar Activity and Geomagnetic Disturbances, by A. I. Ol. RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu Zemli; Trudy Konferentsii Komissi po Issledovaniyu Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957, pp 167-177.

Amer Meteorol Soc AF Cambridge Res Center

(see above)

્ર ર

(see above)

(see above)

(see above)

Scientific Astronomy (Contd)

On Hydrogen Emissions in the Spectrum of the Aurora Borealis, by S. I. Isayev.

RUBSIAN, bk, Pinika Solnechnykh Korpuskulyarnykh
Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu
Zemli; Trudy Konferentsii Komissi po Issledovaniyu
Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957,
pp 178-181.

Amer Meteorol Soc AF Cambridge Res Center

Equation of Quasistationary Ionization Equilibrium in F2 Layer and Solar Corpuscular Radiation, by E. I. Mogilevskiy.

RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu Zemli; Trudy Konferentsii Komissi po Issledovaniyu Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957, pp 261-268.

(see above)

Discussion on the Lectures, by O. A. Burdo,
A. I. Ol', 6 pp.
RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh
Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu
Zemli; Trudy Konferentsii Komissi po Issledovaniyu
Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957.

(see above)

Discussions on the Lectures of E. R. Mustel'
A. B. Severnyy, S. K. Vsekhsviatskiy, et al,
by G. M. Nikol'skiy, E. A. Ponomarev, 11 pp.
RUSSIAN, bk, Fizika Solnechnykh Korpuskulyarnykh
Potokov i Ikh Vozdeystviye na Verkhnyuyu Atmosferu
Zemli; Trudy Konferentsii Komissi po Issledovaniyu
Solntsa, 22-24 Noyabrya 1955 g, Moscow, 1957.

(see above)

The Intensity of Cosmic Radiation, by L. V. Kurnosova, 4 pp. RUSSIAN, bk, L'dy Arktiki, 1945.

(see above)

Ion Density in the Solar Corona, by N. A. Yakovkin, 22 pp.
RUSSIAN, per, Astron Zhur, Vol XXVIII, No 2, 1951, pp 79-92.

(see above)

The Anisotropic Influence of the Re-emission of Solar Radiation on the Orbital Movement of Asteroids and Meteorites, by V. V. Radzievskiy, 17 pp.
RUSSIAN, per, Astron Zhur, Vol XXIX, No 2, 1952, pp 162-170.

(see above)

Scientific Astronomy (Contd)

The Question of the Disintegration of Meteor "Twins," by V. V. Radzievskiy, 6 pp. RUSSIAN, per, Astron Zhur, Vol XXXI, No 5, 1954, pp 433-435.

Some Results of Preliminary Observations of Resonance Scattering by Meteor Trails, by Ye. K. Nemirova, 4 pp. RUSSIAN, per, Astron Zhur, Vol XXXVI, No 2, Mar/Apr 1959, pp 377-379.

Corpuscular Emission of the Early Type Stars as a Possible Cause of Emission of the Mebulae in the 1225-1350 A Region, by I. S. Shklovaky. RUSSIAN, per, Astron Zhur, Vol XXXVI, No 4, 1959, pp 579-584.

A Mechanism of the Disintegration of Asteroids and Meteorites, by V V. Radzievskiy, 8 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII, No 1, 1954, pp 49-52.

Auto-Ionization Effect and Its Influence on the Intensity of Certain Lines in Stellar Spectra, by A. A. Nikitin, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 6, 21 Jan 1956, pp 1227, 1228.

Stellar Worlds Move Closer, 4 pp. RUSSIAN, np, <u>Izvestiya</u>, 30 Oct 1959, p 12.

Investigation of the Spectra of the Great Chromospheric Flare of 5 August 1949, by E. R. Mustel', A. B. Severnyy, 52 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol VIII, 1952, pp 19-50.

First Observations of the Magnetic Fields of Sunspots, Made at the Crimean Astrophysical Observatory, by A. B. Severnyy, V. Ye. Stepanov, 11 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XVI, 1956, pp 3-11.

Amer Meteorol Soc AF Cambridge Res Center

JPRS 1965-N

Nevy 2408/NRL 770

Amer Meteorol Soc AF Cambridge Res Center

JPRS 1965-N

AF 1256307

Amer Meteorol Soc AF Cambridge Res Center

Amer Meteorol Soc AF Cambridge Res Center Scientific Astronomy (Contd)

Investigation of the Fine Structure of the Emission in Active Regions of the Sun, and Non-Stationary Processes, by A. B. Severnyy, 46 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XVII, 1957, pp 129-161.

The Solar Magnetograph of the Crimean Astrophysical Observatory, by N. S. Nikulin, A. B. Severnyy, V. Ye. Stepenov, 19 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XIX, 1958, pp 3-19.

Contribution to Formation Theory of Absorption Lines in a Magnetic Field and Shape of Line FE 6173 A in Spectrum of a Sunspot, by V. Ye. Stepanov.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XIX, 1958, pp 20-45.

The Hydrogen Spectrum of Flares, by T. V. Kazachevskaya, A. B. Severnyy, 25 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Coserv, Vol XIX, 1958, pp 46-71.

The Excitation and Ionization of Hydrogen in Flares, by A. B. Severnyy, 30 pp. RUSSIAN, per, <u>Iz Krymskoy Astrofiz Observ</u>, Vol XIX, 1958, pp 72-99.

The Relationship Between Chromospheric Flares and Magnetic Fields of Sunspot Groups, by V. Bumba, 12 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XIX, 1958, pp 105-114.

Behavior of Ionosphere During Solar Flares, by N. A. Savich. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XIX, 1958, pp 126-139.

Concerning the Relationship Between Solar Flares and the Phenomena in the Lower Ionosphere, by N. N. Yeryushev, Yu. I. Neshpor. RUSSIAN, per, Iz Krymskoy Astrofiz Cbserv, Vol XX, 1958, pp 12-21.

Amer Meteorol Soc AF Cambridge Res Center

Amer Meteorol Soc AF Cambridge Res Center

\*ATIC MCL-487/III

Amer Meteorol Soc AF Cambridge Res Center

Amer Meteorol Soc AF Cambridge Res Center

Amer Meteorol Soc AF Cambridge Res Center

\*ATIC MCL-487/III

\*ATIC MCL-488/III

Scientific
Astronomy (Contd)

The Appearance of Flares in Neutral Points of the Solar Magnetic Field, and the Pinch-Effect, by A. B. Severnyy, 37 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XX, 1958, pp 22-51.

Amer Meteorol Soc AF Cambridge Res Center

Local Magnetic Fields, Fine Chromospheric Structure and Filaments in H<sub>a</sub>, by V. Ye. Stepanov, 23 pp.
RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XX, 1958, pp 52-66.

(see above)

Profiles of the H and K Ca II Lines in a Flare Spectrum, by T. V. Kazachevskaya, 7 pp. RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XX, 1958, pp 80-85.

(see above)

The Latest on the Study of Mars, by M. P. Barabashov, 13 pp. RUSSIAN, per, Priroda, No 6, Jan 1956, pp 13-18.

JPRS 1965-N

The Internation Geophysical Year Solar Research in Japan, by Takeo Khatanaka, 11 pp. RUSSIAN, per, <u>Priroda</u>, No 8, 1959, pp 77-81.

USASIA SC-50b/59

Study of the Ion Composition of the Ionized Layers of the Atmosphere, by B. A. Mirtov, V. G. Istomin, 23 pp.
RUSSIAN, per, Uspekh Fiz Nauk, Vol LXIII, 1957, pp 227-238.

Amer Meteorol Soc AF Cambridge Res Center

Shapes of Hydrogen Lines in a Chromosphere Spectrum, by E. V. Komonovich.
RUSSIAN, per, Vest Moskov Univ, Ser Mat,
Mekh, Astron, Fiz, Khim, No 4, 1958, pp 37-44.

\*ATIC MCL-484/III

Theory of the Chromosphere, by L. E. Gurevich, A. I. Lebedinskiy.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XX, No 6, 1950, pp 566-571.

\*ATIC MCL-482/III

Scientific
Astronomy (Contd)

A Radio Telescope for Sun Observation, by W. Freitag, G. Koch, 9 pp. GERMAN, per, Jepser Rundschau, No. 2, Apr. 1959, pp 47-49.

USASIA 9C-70/59

The Significance of Radiation Pressure and Gravity for the Distribution of Interstellar Matter, by G. Schalen, 33 pp. GERMAN, per, Z fuer Astrophysik, Vol XVII, 1938, pp 260-284.

Amer Meteoral Soc AF Cambridge Res Center Scientific Biology

Mycology in the Chinese People's Republic, by M. N. Rodigin, (DC-3366).

RESIAN, per, Rotan Zhur, Vol KLIV, No 10, 1959, pp 1515-1518.

TIPES ---

Concerning Certain Problems in the Salection of Microorganisms, by A. A. Imahenetakiy, (DC-3326).
RUSSIAN, per, Vest Ak Nauk SSSR, No 10, 1959, pp 32-38.

\*JPRS

A Chamber of Artificial Climate for Research in the Field of Plant Protection, by S. V. Andreyev, B. K. Martens, A. S. Stepanov, A. N. Trushinskiy.
RUSSIAN, per, Zash Rasteniy, No 6, 1959, pp 17, 18.

\*USDA

Helicopter for the Protection of Plants, by V. A. Kuznetsovym. RUSSIAN, per, Zash Rasteniy, No 6, 1959, pp 22-24.

\*USDA

Means for Control of Root-Knot Eel-Worm (Heterodera Radicicola), by L. Yu. Damanskaya. RUSSIAN, per, Zash Rasteniy, No 6, 1959, p 41.

Substitute for the Bordesux Mixture, by Yu. F. Kulibaba. RUSSIAN, per, Zash Rasteniy, No 6, 1959, pp 41, 42.

\*USDA

Effect of Gamma-Rays on Potato Cancer, by D. V. Lipsits, Khizhniak, Kh. V. Sazonik. RUSSIAN, per, Zash Rasteniy, No 6, 1959, pp 47, 48.

\*USDA

Certain Results of the Stay of the American Entomological Delegation in USSR, by I. Ya. Poliakov.
RUSSIAN, per, Zash Rasteniy, No 6, 1959, pp 56, 57.

\*USDA

Scientific Biology (Contd)

Bacteriological Investigation of Birds in Dagesten ASSR, by Z. A. Bykova, V. M. Casev. RUSSIAN, per, Zhur Mikrobiol, Epidemiol, Immunobiol, No 9, 1959, p 126.

\*USDA

On the Local and Distant Effects of X-Rays on the Bone Marrow of Albino Mice, by N. F. Barakina.

RUSSIAN, per, Zhur Obshch Biol, Vol XX, No 3, 1959, pp 230-238.

\*AEC

Zoological Investigations During the Twenty-Ninth Trip of the Expeditionary Ship 'Vityaz,' by Z. A. Filatova, K. V. Beklemishev, (DC-3350). RUSSIAN, per, Zool Zhur, Vol XXXVIII, No 12, 1959, pp 1907-1911.

\*JPRS

Academia Sinica Holds Conference in Shanghai on Sulmerged Paddy Research Reports, by Hsu Hsing, (NY-3404).
CHINESE, per, Chin-vu Sheng-li-hsueh T'ung-hsun, No 4, Peiping, 1959, pp 60-62.

\*JPRS

Microchemical Studies on Plant Components. XXIII. Separation of Xanthine Derivatives by Paper Chromatography, by T. Inoue.

JAPANLJE, per, Yakugaku Zasshi, Vol LXXVI, No 6, 1956, pp 629-631.

ATS JJ-1991

Microchemical Studies on Plant Components. XXIV. Separation of Xanthine Derivatives by Paper Ionophoresis, by T. Kariyone, T. Inoue.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVI, No 6, 1956, pp 747, 748.

ATS JJ-1992

Scientific Chemistry

Certain Properties of Alloys of Borides of Difficulty Fusible Transitional Metals, by G. A. Meyerson, et al.

RUSSIAN, bk, Trudy Konferentsii po Khimii Bora i Ego Soyedineniy, Moscow, 1958, pp 58-73.

\*ATIC MCL-476/III

Effect of Irradiation on the Magnetic Properties of Ferrites, by N. M. Cmel'yanovskaya. RUSSIAN, per, Atom Energ, Vol VII, No 1, 1959, pp 66-68.

\*AEC

Utilization of Crude Phenols in the Preparation of Water-Soluble Phenol-Formaldehyde Resins, by A. B. Zabrodkin, E. K. Artsishevskaya. RUSSIAN, per, Derevoobrabatyvayushchaya Prom, Vol VII, No 2, 1958, p 18.

Chlorinated Polypropylenes, by K. S. Minsker, V. S. Etlis
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6, 1958, pp 1041-1043.

ATS RJ-1851

ATS RJ-1885

Infrared Absorption Spectra of Ethyllithium Dissolved in Benzene, Hexane and Diethyl Ether, by V. N. Nikitin, et al. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 4, 1959, pp 873-875.

ATS RJ-1998

Complex Ferroelectric Compounds, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 1, 1959, pp 73, 74; Fizika Tverdogo Tela, Vol I. No 10, 1959, pp 1562-1572.

AID/SIR-31/1

Semiconducting Polymers, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 2, 1959, pp 312-315.

AID/SIR-3168

Organoboron Compounds. Reactions of Trialkylborons With Compounds Containing Active Hydrogen, by B. M. Mikhailov, et al. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 3, 1959, pp 575-578.

ATS RJ-1862

Reactions of Aldehydes and Ketones With Amides of Phosphorous Acid, by V. S. Abramov, N. A. Il'ina.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 5, 1959, pp 1027-1029.

ATS RJ-1870

Effect and Results of Ionizing Radiations of Cobalt-60 on the Growth, Development and Yielding Capacity of Cotton, by R. E. Eyubov. RUSSIAN, per, Iz Ak Nauk Azerbaydzhan SSR, No 5, 1959, pp 28-39.

\*USDA

Synthesis of Organotin Compounds From Organomercury Compounds and Stannous Salts in Inert Solvents, by A. N. Nesmeyanov, et al. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1959, pp 263-266.

ATS RJ-1872

Synthesis of Borontrialkyls With Functional Substituents, by B. M. Mikhailov, T. A. Shchegoleva.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1959, pp 546, 547.

ATS RJ-1863

Investigations in the Field of the Stereochemistry of Cyclic Compounds. Part 25. Addition of Maleic Anhydride to Trans-3-Methyl-1,3-Pentadiene. Synthesis and Configuration of the Four Isomers of 3,4-Dimethyl-4-Cyclohexene-1,2-Dicarboxylic Acid, by V. F. Kucherov, et al. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1959, pp 1058-1067.

ATS RJ-1875

Duration of Air-Bubble Attachment to Mineral Particles in the Flotation Process and Its Measurement, by V. A. Glembotskiy.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1953, pp 1524-1531.

Dept of Interior TN7, E57, No 173

Special Determination of Iridium, Platinum and Falladium in Refined Rhodium, by A. W. Babayeva, E. S. Lapir, 8 pp.
RUSSIAN, per, Iz Sektora Platiny i Drug
Bladorod Metal Inst Obshchei i Neorg Khim,
Ak Nauk SSSR, No 22, 1948, pp 145-148.

Matl Res Council, Canada, TT-825

Spectral Determination of Small Quantities of Platinum and Palladium in Refined Silver, by A. V. Bebsyeva, E. S. Lapir, 7 pp.
RUSSIAN, per, Iz Sektora Flatiny i Drug Bladorod Metal Inst Obshch i Neorg Khim, Ak Nauk SSSR, No 23, 1949, pp 97-100.

Natl Res Council, Canada, TT-826

Effect of Deoxidizing Practice on Nonmetallic Inclusion Content of Cr-Al-Mo Steel, by E. I. Malinovskiy, D. B. Royak.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 4, 1959, pp 53-55.

FB 4684

Effect of Hydrogen Upon the Mechanical Properties of Carbon Cast Steel, by Yu. A. Nekhendzi, V. P. Kalenov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 7, 1959, pp 101-103.

HB 4765

Investigation of Relaxation and Recrystallization in Refractory Carbides of Titanium and Tungsten, by S. S. Gorelik, E. I. Mozzhukin, Z. Maier. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO, Vol II, 1958, pp 153-160.

\*AEC

Chromatographic Analysis of Mixtures of Alkenes With Diolefins, by A. M. Brodskiy, et al. RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 3, 1959, pp 30-32.

ATS RJ-1985

Effect of Alkaline Additions in the Catalytic Oxidation of Primary Alcohols to Aldehydes, by R. M. Flid, et al.
RUSSIAN, per, Khim Nauka i Prom, Vol III, No 5, 1958, pp 683-.

ATS RJ-1889

Determination of the Optimum Temperature Conditions in Operating Catalytic Apparatus for the Oxidation of Sulfur Dioxide, by V. I. Shestakov, D. F. Terentyev. RUSSIAN, per, Khim Prom, No 6, 1958, pp 350-354.

ATS RJ-1972

Three-Dimensional Polymers Based on Saturated Polymers of Linear Structure, by A. Ya. Drinberg.

RUSSIAN, per, Khim Prom, No 7, 1958, pp 401-404.

ATS RJ-1854

Nephelometric Method for Determining Organic Impurities in Liquid Oxygen and in "Evaporator Liquid," by G. V. Ivanova. RUSSIAN, per, Kislorod, Vol XII, No 1, 1959, pp 23-25.

ATS RJ-2025

Heat Insulation of Pipelines and Containers for Liquefied Gases. RUSSIAN, per, Kislorod, Vol XII, No 1, 1959, pp 26-.

ATS RJ-1982

The Adsorptive Separation of Acetylene and Carbon Dioxide From Air in Industrial Gaseous and Liquid Oxygen Plants, by I. P. Ishkin, N. F. Katina. RUSSIAN, per, Kislorod, Vol XII, No 2, 1959,

pp 37, 38.

ATS RJ-1981

Effect of Plastic Deformation on the Formation of Martensite, by M. G. Gaidukov, V. D. Sadovskiy.

RUSSIAN, per, Metal i Obra Metallov, No 4, 1958, pp 2-7.

HB 4180

Effect of Nitriding on the Corrosion Resistance of Stainless Steels, by A. G. Andreyeva, L. Ya. Gurvich.

RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 34-40.

HB 4570

Corrosion of Stainless Steel Welds in Acid Solutions, by M. M. Kurtepov, A. S. Gryannova.

RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 41-44.

HB 4571

Surface Impregnation of Steel With Boron From the Gas Phase, by A. F. Zhigach, et al. RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 45-47.

HB 4572

Determination of Chlorine and Bromine in Organic Compounds by Means of Magnesium Nitride, by A. P. Terentyev, et al. RUSSIAN, per, Nauch Dok Vysshey Shkoly, Khim i Khim Tekh, No 1, 1958, pp 83-85.

ATS RJ-2018

Some Kinetic Characteristics of the Reduction of Iron Oxides by Hydrogen, by S. T. Rostovatsey, A. P. Em.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Met,
No 2, 1959, pp 9-14.

HB 4683

Origination and Motion of Dislocation in Nickel and in Ni-Cr Alloy, by O. I. Mgebryan. RUSSIAN, per, Nauch Dok Vysshey Shkoly, Met, No 2, 1959, pp 202-206.

\*ATIC MCL-477/III

How to Obtain Synthetic Rubber From Alcohol, 8 pp. RUSSIAN, per, Neftyanik, No 7, 1959, pp 29-31.

AF 1256267

Method for Determining Specific Gravity of Minerals by Velocities of Falling Particles in Viscous Medium, by E. A. Erofeyev. RUSSIAN, per, Razvedka i Ochrana Nedr, No 2, 1959, pp 12-25.

Dept of Inverior TN7, E57, No 210

Polymers, Materials for Progress, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 14 Jul 1959, p 3.

**AF** 1256130

Preparation of Hydrazine Salts, by A. Il'in.
RUSSIAN, per, Trudy Inst Chistykh

Khim Reaktivov, No 17, 1939, pp 65-69.

ATS RJ-1884

Microhardness of Binary High-Melting-Point Carbides, by A. E. Koval'skiy, L. A. Petrova, 17 pp.

RUSSIAN, per, <u>Trudy Soveshchaniya Mikroverdosti</u>, 1950, pp 170-186.

AEC Tr-3834

Determination of the Morphological and Chemical Homogeneity of Cellulose Fibers, by B. G. Milov, M. I. Vitovtova.

RUSSIAN, per, Trudy Tsentral Nauch-Issled Inst Tsellyuloz i Bumazh Prom, No 41, 1956, pp 123-134.

ATS RJ-2014

Polarographic Determination of Iodine and Bromine in Mineral Waters Using a Solid Anode, by N. N. Atamanenko, E. M. Skobets. RUSSIAN, per, Ukrain Khim Zhur, Vol XXIII, No 6, 1957, pp 771-776.

ATS RJ-1994

Gas-Liquid Chromatography of Liquid Petroleum Hydrocarbons, by N. E. Podkletnov, E. K. Bryanskaya.

RUSSIAN per Uspekh Khim. Vol XXVII. No 11.

RUSSIAN, per, Uspekh Khim, Vol XXVII, No 11, 1958, pp 1354-1360.

ATS RJ-1986

Carbenes (Compounds of Bivalent Carbon Formed As Intermediates in Organic Reactions), by I. L. Knunyants, et al. RUSSIAN, per, Uspekh Khim, Vol XXVII, No 12, 1958, pp 1361-1436.

ATS RJ-1876

Eighth Mendeleyev Congress on General and Applied Chemistry, by V. V. Kozlov, S. I. Vol'fkovich, (NY-3454).
RUSSIAN, per, Uspekh Khim, Vol XXVIII, No 12, 1959, pp 1399-1449.

Organic Compounds of Boron, by B. M. Mikhaylov (NY-3454).
RUSSIAN, per, Uspekh Khim, Vol XXVIII, No 12, 1959, pp 1450-1487.

\*JPR6

Simultaneous Microdetermination of Carbon, Hydrogen and Sulfur, by E. I. Margolis, N. F. Egorova.
RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh, Astron, Fiz, Khim, Vol XIII, No 4, 1958, pp 209-213.

ATS RJ-2019

Microdetermination of Carbon and Hydrogen, by N. F. Egorova, A. S. Zabrodina. RUSSIAN, per, Vest Mosk U. Ser Matemat, Mekh, Astron, Fiz, Khim, Vol XIII, No 4, 1958, pp 235-238.

ATS RJ-2020

Methods of Determining Impurities in Zirconium, by B. M. Dobkina, 18 pp.
RUSSIAN, per, Zavod Lab, Vol XXII, 1956,
pp 1019-1024.

Natl Res Council, Canada, TT-837

Quantitative Determination of Aluminum and Titanium in Low-Pressure Polyethylene by Means of Spectroscopic Analysis, by G. P. Fratkina.

RUSSIAN, per, Zavod Lab, Vol XXIV, 1958, pp 1373, 1374.

ATS RJ-2007

Assaying Magnesium in Zirconium by Ion Exchange Chromatography, by S. V. Elinson, et al.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 12, 1958, pp 1434-1436.

\*AEC

Sorption-Thermal Devices for Analyzing Gaseous Mixtures, by A. A. Datskevich, et al. RUSSIAN, per, Zavod Lab, Vol XXV, No 2, 1959, pp 210-212.

\*AEC

Automatic Gas Analyser for Determining Inert Gases in Ammonia, by S. I. Krichmar, et al. RUSSIAN, per, Zavod Lab, Vol XXV, No 2, 1959, pp 213-215.

\*AEC

Amperometric Titration of the Phosphate Ion, by V. F. Toropova, G. S. Yakovleva, 11 pp. RUSSIAN, per, Zhur Anal Khim, Vol I, 1946, pp 290-294.

Natl Res Council, Canada, TT-827

A Simplified Spectrophotometric Method for Determining Organic Compounds by Near-Infrared Absorption, by Ts. N. Roginskaya, A. I. Finkel'shtein.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 3, 1959, pp 360, 361.

ATS RJ-2001

A Study of Iron-Chromium Catalysts in Dehydrogenation and Dehydration Reactions of Isopropyl Alcohol, by A. A. Balandin, et al. RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 4, 1958, pp 882-893.

ATS RJ-1890

Effect of the Nature of the Gas Medium on the Mechanical Destruction of Polymers, by N. K. Baramboim.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 5, 1958, pp 1049-1054.

ATS RJ-1853

Electrochemical and Corrosion Behavior of Steel and Nickel Electrodes in Sulphuric Acid Solutions Subjected to the Action of Rays, by N. Ya. Bune, Ya. M. Kolotyrkin, G. S. Tyunkov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 2679-2685.

\*AEC

The Use of Radioactive Sulfur to Study H<sub>2</sub>S-Poisoning of Ammonia-Synthesis Catalyst, by Yu. I. Bulatnikova, L. O. Apel'bayum, M. I. Temkin.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2717-2724.

Dept of Interior TN7, E57, No 163

The Influence of Surface Active Substances on the Motion of Gas Bubbles in Hydrocarbon Liquids, by A. Yu. Koshevnik, et al. REBIAN, per, Zhur Fiz Khim, Vol XXXIII, No 1, 1959, pp 197-203.

ATS RJ-1964

The Crystalline State of Polymers. Part II. Crystallization of Polymers in the Process of Film Formation, by D. D. Chegodayev, N. A. Bugorkova.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 2, 1959, pp 262-270.

ATS NJ-1850

Physicochemical Analysis of Systems Composed of Alcohols and Organic Acids. Part II, by Z. S. Drutman.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 4, 1959, pp 822-827.

ATS RJ-2028

Decontamination of Chloramine-Solution Properties in Connection With the Grade of Dissemination, by B. V. Yakolev, V. G. Kern.
RUSSIAN, per, Zhur Mikrobiol Epidemiol Immunobiol, No 11, 1959, p 119.

\*USDA

Determination of the Saturated Vapor Pressure of UCl<sub>h</sub> and the Disproportionation Pressure of UCCl<sub>2</sub>, by S. A. Schchukaryev, I. V. Vasilkova, A. I. Efimov, V. I. Kirgyasev, 11 pp. HUSSIAN, per, Zhur Neorg Khim, Vol I, 1956, pp 2272-2277.

AEC Tr 3870

Separation and Purification of Tantalum and Nicolium by Distilling the Pentachlorides, by L. A. Nisel'son.

RUSSIAN, per, Zhur Neorg Khim, Vol III, No 12, 1958, pp 2603-2617.

\*AEC

Equilibrium in the System NaF-Na<sub>2</sub>BeF<sub>4</sub>-H<sub>2</sub>O, by A. V. Novoselova, 10 pp.

PUSSIAN, per, Zhur Obshch Khim, Vol IV,
1934, pp 1206-1210.

AEC NP-Tr-295

Preparation of N.N'-Disubstituted Barbituric and Thiobarbituric Acids, by M. V. Koshkin.

RUSSIAN, per, Zhur Obshch Khim, Vol V, No 10, 1935, pp 1460-1467.

ATS RJ-1879

Chemistry of Xanthates and Viscose. IX. Detection of Polysulfur Compounds in Viscose and Their Role, by S. N. Danilov, et al.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, 1958, pp 3192-3202.

ATS RJ-2013

Search for New Methods of Synthesizing Cellulose Ethers, by E. A. Plisko. RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 12, 1958, pp 3214-3216.

ATS RJ-1889

From the Field of Organic Insectofungicides. XXXVI. Reaction of Pentachlorocyclopentadiene With Some Unsaturated Compounds, by N. N. Mel'nikov, S. D. Volodkovich. RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 12, 1958, pp 3317-3319.

ATS RJ-1869

Oxidation of Organic Compounds. XIX. Liquid-Phase Catalytic Oxidation of p-Xylene With Molecular Oxygen, by L. G. Manukovskaya, et al. RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 1, 1959, pp 158-165.

ATS RJ-1881

From the Field of Organic Insectofungicides. XXXVIII. The Reaction of Thiophosphoryl Chloride and Alkyl Dichlorothiophosphates With Alcohols, by N. N. Mel'nikov, et al. RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2, 1959, pp 522-526.

ATS RJ-1868

Oxidation-Reduction Systems for Initiation of Radical Processes. IX. Mechanism and Efficiency of the Action of Polyamine Systems in the Polymerization Process, by E. N. Kropacheva. et al. RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2, 1959, pp 565-575.

ATS RJ-1878

Synthesis of the Simplest Analogs of Corticosteroids. VII. Introduction of the Dihydroxyacetonyl Side Chain by the Method of Hydration of Acetylenic Alcohols, by I. N. Nazarov.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 3, 1959, pp 735-744.

ATS RJ-1880

Synthesis and Polycondensation of p-Aminomethylphenylalkanecarboxylic Acids, by M. N. Bogdanov, G. I. Kudryavtsev.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 3, 1959, pp 986-989.

ATS RJ-1886

Addition of Diakyl Hydrogen Phosphites to Alkyl Isothiocyanates, by K. A. Petrov, A. A. Neimysheva.

RUSSIAN, per, Zhur Obsheh Khim, Vol XXIX, No 6, 1959, pp 1819-1821.

ATS RJ-1867

Vibration of Spectra of Organophosphorus Compounds. The Problem of Characterization of the P=S Frequency, by E. M. Popov, et al. RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 6, 1959, pp 1998-2006.

ATS RJ-2000

Carbon-Chain Polymers and Copolymers. Part XIII. Synthesis and Polymerization of Some Unsaturated Compounds Containing Group IV Elements, by G. S. Kolesnikov, S. L. Davydova. RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 6, 1959, pp 2042-2045.

ATS RJ-1849

The Rate of Solution of Methane and Nitrogen-Hydrogen Mixtures in Condensing Ammonia, by V. I. Atroshchenko, N. A. Gavrya.
RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 1, 1959, pp 99-104.

ATS RJ-1974

Crystallization of Calcium Sulfate From Solutions of Extraction-Process Phosphoric Acid, by E. V. Khamskiy, M. L. Chepelevetskiy.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 5, 1959, pp 948-952.

ATS RJ-1980

pp 39-51.

Concerning the Detonatability of Liquid Explosive Nitric Acid Base Mixtures, 5 pp.

RUSSIAN, per, Zhur Prik Khim, No 7, 1959, pp. 1467-1470.

AF 1256193

The Magnitude of the Interfacial Area During Mechanical Mixing of Mutually Insoluble Liquids, by I. S. Pavlushenko, A. V. Yanishevskiy.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 7, 1959, pp 1496-1502.

ATS RJ-1950

A Method for the Determination of Small Amounts of Lead in Minerals and Rocks, by N. Yordanov, L. Kocheva.

BULGARIAN, per, Iz Khim Inst, Vol IV, 1956, pp 327-337.

ATS BJ-2005

A Scheme for the Analysis of Liquid Fuel Products Obtained by Synthesis With Carbon Monoxide and Hydrogen, by Lo-fung Chang, Pei-chang Lu.
CHINESE, per, Jan Liao Hsueh Pao (Acta Focalia Sinica), Vol II, No 1, 1957,

Dept of Interior TN', E57, No 191

Some of China's Researches on Ion-Exchange Resins, by Ho Ping-lin, 17 pp. CHINESE, per, Kao-fen-tzu T'ung-hsun, Vol III, No 5, Peiping, Oct 1959, pp 210-224.

JPRS-2149-N

Paper Chromatography of Phenol Alcohols and Monohydric Phenols, by S. Hudecek. CZECH, per, Chem Listy, Vol XLIX, 1955, pp 60-62.

ATS CJ-1990

Polarographic Depolarization Effects of Thorium Ions and Some Other Hydrolyzable Cations, by Jiri Masek, 14 pp. CZECH, per, Chem Listy, Vol LII, 1958, pp 7-15.

AEC Tr-3827

Chromatography of Dye Intermediates. VIII. Paper Chromatography of 2-Amino-8-Naphthol-6-Sulfonic Acid, 2-Amino-5-Maphthol-7-Sulfonic Acid, and Identification of 2,8-Disminosaphthalene-6-Sulfonic Acid, by J. Latinak, L. Bkalicky.

CZECH, per, Chem Listy, Vol LII, 1958, pp 631-635.

ATS CJ-1989

3 4

Reactors for the Synthesis of Ammonia, by M. Baumann, T. Misek. CZECH, per, Chem Prumysl, Vol VIII/XXXIII, No 5, 1958, pp 229-233.

ATS CJ-1973

The Horizontal Propping Mercury Electrode (With a Vertical Face), by I. Smoler. CZECH, per, Chem Zvesti, Vol VIII, No 10, 1955, pp 867-877.

ATS CJ-1995

The Determination of Ammonia in Ammonium Salts in the Presence of Urea by Means of Cd(OH)2. Method Modified for a Determination of the Activity of Enzymes, by D. Pristavka, V. Kro-

CZECH, per, Chem Zvesti, Vol X, No 3, 1956, pp 183-187.

ATS CJ-2015

Complexometric Titrations (Chelatometry). XIII. The Determination of Scandium, by L. Wunsch, 15 pp. CZECH, per, Collection Czechoslov Chem Communs, Vol XX, 1955, pp 1107-1112.

AEC Tr-3833

The Sobnitride of Carbon C4N2, Cyanacetylene CaNH, by Charles Moureu, Jacques Ch. Bongrand, 64 pp.

FRENCH, per, Annales de Chim, Vol XIV, 1920, pp 1-58.

AEC Tr-3841

Variations in Length and Density Accompanying the Absorption of Hydrogen by Zirconium, by Lucien Espagno, Pierre Azou, Paul Bastien, 3 pp. FRENCH, per, Comptes Rendus, Vol CCXLVII, 1958, pp 83-86.

AEC Tr-3846

Dilatometric Study of the Zirconium/ Hydrogen System, by Lucien Espagno, Pierre Azou, Paul Bastien, 4 pp. FRENCH, per, Comptes Rendus. Vol CCXLVII, 1958, pp 1199-1201.

AEC Tr-3844

Dilatometric Study of the Zirconium/ Hydrogen System Between Ambient Temperature and 550°C, by Lucien Espagno, Pierre Azou, Paul Bastien, 4 pp. FRENCH, per, Comptes Rendus, Vol CCXLVII, 1959, pp 2003-2005.

AEC Tr-3845

On the Triboluminescence of Crystals, by G. Wolff.
GERMAN, rpt, Proceedings International
Symposium on the Reactivity of Solids,
Part I, 1952, pp 253-261.

TIL T-5016

Chemical Monitoring of the Dissemination of Radioactive Substances, by G. Herrman. GERMAN, per, Angew Chem, Vol LXXI, 1959, pp 561-571.

\*AEC

Continuous Measurement of the Radioactive Aerosol Content of the Air, by W. Buchner. GERMAN, per, Atompraxis, Vol III, 1957, pp 382-388.

\*AEC

Concerning a Few Thiophene Derivatives, by E. Baumann, E. Fromm, 7 pp. GERMAN, per, Berichte der Deutschen Chemischen Gesellschaft, Vol XXVIII, No 1, 1895, pp 890-895.

Patent Office

Recent Progress in Chemical Investigation of Coal, by W. Fuchs.
GERMAN, per, Brennstoff-Chemie, Vol XXXIX, 1958, pp 1-6.

Dept of Interior TN7, E57, No 170

Ring Analysis Diagrams for Saturated Petroleum Fractions: I. Supersonic Velocity, Surface Tension and the Verdet-Constant as a Means of Determining the Ring Contents of Saturated Petroleum Fractions, by J. Cornelissen, J. A. Waterman, H. Waterman.

GERMAN, per, Brennstoff-Chemie, Vol XXXIX, 1958, pp 84-86.

Dept of Interior TN7, E57, No 167

Ring Analysis Diagrams for Saturated Mineral Oil Fractions: II. Regularity in the Ring-Analysis Diagrams for Saturated Mineral Oil Fractions Which Use Two Different Physical Constants, by J. Cornelissen, J. A. Waterman, H. I. Waterman.
GERMAN, per, Brennstoff-Chemie, Vol XXXIX, 1958, pp 141-145.

General Definition of Efficiency, ty P. Grassmann, 19 pp.
GERMAN, per, Chem-Ingr-Tech, Vol XXII, 1950, pp 77-80.

Heavy Water Production Through the H<sub>2</sub>S/H<sub>2</sub>O Dual Temperature Exchange Process, by G. Weiss, 25 pp. GERMAN, per, Chem-Ingr-Tech, Vol XXX, No 7, 1958, pp 433-440.

Dept of Interior TNT, E57, No 166

AEC Tr-3837

AEC Tr-3365

Detection of Trace Amounts of Albumin by Analysis of Antigen-Antibody Precipitates, by F. Lohss, E. Kallee, 11 pp.
GERMAN, per, Clin Chim Acta, Vol IV, 1959, pp 127-133.

KIH 12-15

Concerning the Question of Analysis of a Brown-Coal-Tar Paraffin Oil With Selective Solvents, by Erich Gundermann. GERMAN, per, <u>Brdoel und Kohle</u>, Vol X, 1957, pp 151-157.

Dept of Interior TW/, E57, No 174

Metal Indicators. Y. Murexide as an Indicator for Calcium and Other Metallic Ions. Complex Formation and Light Absorption, by G. Schwarzenbach, H. Gysling, 18 pp. GERMAN, per, Helv Chim Acta, Vol XXXII, 1949, pp 1314-1325.

NIH 12-16

Purification and Specificity of DOPA Decarboxylase, by E. Werle, D. Aures, 5 pp. GRRMAN, per, Hoppe-Seylers Z. Physiol Chem, Vol CCCXVI, 1959, pp 15-60.

**NIH 12-5** 

Orientation States in High Polymers, (Orientierungszustande in Hochpolymeren), by W. Kast. GERMAN, per, Kolloid Z, Vol CXX, No 1-3, 1951, pp 40-57.

#ABC

Mechanism of the Cold Drawing of Polyamides, Polyurethans and Polyesters, by H. Wenderoth, 3 pp. GERMAN, per, (Kolloid Z, Vol CXXIV, 1951, p 116.

AEC SCL T-276

The Dependence of the Colchicine Effect on Adenosine Triphosphate, by H. Lettre, M. Albrecht, 4 pp. GERMAN, per, Die Naturwissenschaften, Vol XXXVIII, 1951, pp 547, 548.

WIH 12-1

The Raman Spectrum of p-Benzoquinone, by H. Stammreich, R. Forneris, 12 pp. GERMAN, per, Z. fuer Naturforschung, Vol VIIa, 1952, pp 756-759.

NIH 12-17

Diffusion of Xe-133 in Uranium Oxide of Varying Oxygen Content, by R. Lindner, H. Matzke.

GERMAN, per, Z.fuer Naturforschung, Vol XIVa, No 5/6, 1959, pp 582-584.

\*AEC

Line Grating for Paper Chromatography. (Vonalkalyhas Papirkromatographia), by Biro Andras.
HUNGARIAN, per, Magyar Kemiai Folyoirat, Vol LXV, No 7, 1959, pp 245-249.

\*AEC

9- \( \alpha\) -Fluoro-16- \( \alpha\) -Methylprednisolone, a New Anti-Inflammatory Steroid, by B. Camerino, 7 pp. ITALIAN, per, Il Farmaco (Science Ed), Vol XIV, 1959, pp 70-74.

MIH 12-39

Elementary Analysis of Nitrogen by the Strong Phosphoric Acid-Potassium Iodate Method and the Dumas Method-Some Information Obtained by Use of the Mass Spectrometer, by Shigeru Ohashi, Yuji Takayama, Sachiko Taki, Hiroshi Toya, 16 pp.

JAPANESE, per, Bunseki Kagaku, Vol VII, 1958, pp 205-210.

AEC Tr-3848

Mercury Flow in Mercury-Chlorine Cells, by Sugino Toshiyuki.

JAPANESE, per, Denki Kagaku Zasshi, Vol XX, 1952, pp 495-502.

\*AEC

Boiling of Hard Water, by F. Hirano, K. Nishikawa. JAPANESE, per, Honyaku Kikai Kogaku Kyokai,

Vol XIX, No 88, 1953, pp 33-39.

ATS JJ-1946

An Experiment of Nucleate Boiling Under Reduced Pressure, by K. Nishikawa, K. Urakawa. JAPANESE, per, Honyaku Kikai Kogaku Kyokai, Vol XXIII, No 136, 1957, pp 935-939.

ATS JJ-1941

The Variation in Heat Transfer With Time in Nucleate Boiling Water, by F. Hirano, K. Nishikawa.

JAPANESE, per, Honyaku Kikai Kogaku Kyokai, No 507, 1957, pp 29-32.

ATS JJ-1948

Study of Vacuum Degassing Process - Report No 1, Experimental Set-Up and Results on NF Castings, by Ch. Taguchi, et al.

JAPANESE, per, Imono, Vol XXX, No 4, 1958, pp 281, 282.

HB 4311

The Dependence of the Percentage of Voids on the Method of Mixing the Particles, by E. Hirai, S. Ueda. JAPANESE, per, <u>Kagaku Kogaku</u>, Vol XVIII, 1954, pp 369-372.

ATS JJ-1956

Syntheses of Condensation and Addition Polymers. II. Syntheses of High Polymers Containing Two Different Linkages by Polyaddition or Polyaddition-Condensation, by R. Oda, et al.

JAPANESE, per, Kobunshi Kagaku, Vol XVI, 1959, pp 260-266.

ATS JJ-1855

Syntheses of Condensation Polymers and Addition Polymers. III. Syntheses of Polymers Having Regularly Repeating Groups by Polycondensation (Part I), by R. Oda, et al. JAPANESE, per, Kobunshi Kagaku, Vol XVI, 1959, pp 266-270.

ATS JJ-1856

Syntheses of Acrylates With Nickel Carbonyl.

I. Method of Synthesis and Waste Gas, by
K. Ohashi, et al.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV,
1952, pp 120, 121.

ATS JJ-1857

Syntheses of Acrylates With Nickel Carbonyl. III. Reaction Conditions and Products, by S. Suzuki, et al.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV, No 11, 1952, pp 718-720.

ATS JJ-1859

The Determination of Urea and the Early Products of Urea-Formaldehyde Reactions by Means of Nitrous Acid and the Structure of These Compounds, by E. Hirukawa.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIX, No 10, 1956, pp 1227, 1228.

ATS JJ-2017

Catalytic Effect of Teriary Amines in Esterifications Accompanied by Removal of Sodium Chloride, by Y. Yamashita, T. Shimamura.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LX, No 4, 1957, pp 423-426.

ATS JJ-1882

Direct Synthesis of Ethyl Acrylate From Acetylene, by M. Maki.

JAPANESE, per, Menryo Kyokai-Shi,
Vol XXXII, 1953, pp 410-413.

ATS JJ-1861

Direct Synthesis of Methyl Acrylate From Acetylene, by M. Maki. JAPANESE, per, Nenryo Kyokai-Shi, Vol XXXII, 1953, pp 414-419.

ATS JJ-1861

The Out-of-Plane Vibrations of Benzene, by Y. Kakiuchi.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXX, No 1, 1959, pp 21-25.

ATS JJ-1996

Measurement of Infrared Active Out-of-Plane CH Vibration Bands of Several Monosubstituted Benzene Derivatives, by Y. Kakiuchi. JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXX, No 1, 1959, pp 28-31.

ATS JJ-1997

A Simplified Treatment of the Out-of-Plane CH Vibrations of Benzene and Its Methyl Derivatives, by Y. Kakiuchi.

JAPANESE, per, Nihon Kagaku Zasahi, Vol LXXX, No 3, 1959, pp 250-255.

ATS JJ-1883

Determination of Acid Amides by the Micro-Kjeldahl Method, by M. Hirai, R. Hayatsu. JAPANESE, per, Yakugaku Zasshi, Vol LXXI, No 7, 1951, pp 765, 766.

ATS JJ-2026

Studies of Fluoride Glass. II. The Systems BeF<sub>2</sub>-AlF<sub>3</sub>-NaF, KF, CaF<sub>2</sub> (MgF<sub>2</sub>, SrF<sub>2</sub>, BaF<sub>2</sub>), by M. Imaoka, 6 pp.

JAPANESE, per, Yogyo Kyokai Shi, Vol LXII, 1954, pp 24-27.

AEC NP Tr 296

Studies of Design of Apparatus for Chemical Experiments Under High Pressure, Part I, by Yasuzo Kume, 24 pp.

JAPANESE, per, Rev Phys Chem Japan, Vol XVII, 1943, pp 1-11.

AEC Tr-3640

Gas Flow in the Top-Blown Oxygen Converter, by H. A. Hashimoto.

JAPANESE, per, Tetsu to Hagane, Vol XLIV,
No 3, 1958, pp 222, 223.

**HB** 4768

Method of Manufacture of Catalysts for Hydrogenation and Refining of Raw Oils Under High Pressure, by K. Morikawa, T. Takagi. JAPANESE, Patent No 3,521, 1958.

ATS JJ-1977

Main Technological Characteristics of Apparatus for Radiochemical Processes (in Particular in the Polymerization of Ethylene) on an Industrial Scale, by N. P. Syrkus, A. Kh. Breger, B. I. Vainshtein, 25 pp.
POLISH, paper CW/I/81, Osnovnye Tekhnologicheskie Kharakteristiki Apparatov dlya Provedeniya Radiatsionno-Khimicheskikh Protsessov (v Chastnosti dlya Polimerizatsii Etilena) v Promyshlennom Masshtebe), International Conference on the Application of High Energy Sources of Radiation, Warsaw, 8-12 Sep 1959.

\*AEC

Polymerization of Ethylene Under the Influence of Gamma-Rays, by S. S. Medvedev, A. D. Abkin, P. M. Khomikovskiy, 25 pp.
POLISH, paper CW/IIB/82, Polimerizatsiya
Etilene pod Vvliyaniem Gamma-Izluchenii,
International Conference on the Application of High Energy Sources of Radiation, Warsaw, 8-12 Sep 1959.

\*AEC

Volumetric Method for the Determination of Sulfates in the Presence of Chromium, by R. Kling.
POLISH, per, Chem Anal, Vol III, Warsaw, 1958, pp 817-820.

ATS PJ-2003

Determination of Ferric Ions by Means of the Sodium Salt of p-Aminosalicylic Acid, by H. Lukusiak-Wardzinska,
J. Popowicz.

POLISH, per, Chem Anal, Vol III, Warsav, 1958, pp 893-895.

ATS PJ-2004

Synthesis of Phenol and Acetone by the Cumene Method. IV. Oxidation of Cumene to Cumene Hydroperoxide in the Presence of Solid Catalysts, by Z. Leszcynski. POLISH, per, Przemysl Chem, Vol XXXVII, 1958, pp 30-34.

ATS PJ-1877

Contribution to the Kinetic Study of Flotation, by I. H. Panu. RUMANIAN, per, Comun Acad Rep Populare Romine, Vol VI, No 1, 1956, pp 115-122.

ATS RU-1966

Fluorescence of Cerium in Sodium Fluoride Melts, by Nataliya Belegishanin, 5 pp. SERBIAN, per, Glasnik Khem Drushtva, Beograd, Vol XXI, 1956, pp 271-276.

AEC Tr-3851

Formation of Fermites of Spinel Structure by Aging of Metal Hydroxides, by V. P. Chalyi. UKRAINIAN, per, Ukrain Khim Zhur, Vol XXV, No 3, 1959, pp 285-287.

\*AEC

Scientific Electricity

Conference on Electric Contacts, by I. Te. - Dekabrua, 5 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 1, 1958, pp 399, 400.

JPRS 2151-N

The Surfaces With a Constant Electric Field, by Noel-J. Felici. PRENCH, per, Revue Generale de l'Electricite, Vol LIX, No 11, 1950, pp 478-501.

\*Nevy/NRL

Scientific Electronics

Bases and Methods of Shortwave Antenna Construction; Cophased Horizontal Antenna, by G. 2. Ayzenberg, 72 pp. RUSSIAN, bk, Antenny Dlya Magistral'nyth

Radiosvyazey, 1948, pp 132-156, 207-225.

UBASIA 3C-60/59

Electric Contacts. HUSSIAN, bk, Elektricheskiye Kontakty, 1958, pp 79-95, 255-296.

\*ATIC NCL-480/III

Electrical Equipment of the Soviet Corps of Engineers, by V. K. Baluyav, 4 pp. RUSSIAN, monograph, Razvitiye Voyenno-Inzhenernoy Elektrotekhniki, Chap XII, 1958, pp 129-133.

AF 1256173

Froblems of Automatic Regulation and Control, 72 pp. (AF 1114664) RUSSIAN, bk, Voprosy Avtomaticheskogo Regulirovaniya i Upravleniya, Moscov, 1957, pp 12-25, 40-62, 103-122.

ATIC F-TS 9538/V

Reliability of Electronic Equipment, by V. A. Zimin, et al, 17 pp. RUSSIAN, papers, Soviet Radio, Moscow, 1958.

Net Bu of Standards

Effect of Contact-Trolley Network on Communication Lines and Central Signal-Blocking, by A. A. Snarskiy, (DC-3324). RUSSIAN, per, Avtomat Telemekh 1 Svyaz', No 3, 1959, pp 11-15 (5).

#JPRS

Ways of Reducing the Influence of the Catenary Network on Communications Lines, by A. A. Snarskiy, (NY-3361). RUSSIAN, per, Avtomat Telemekh i Svyazi, No 4, 1959, pp 13-19.

**#JPRS** 

Radio Equipment of the AN-10 Aircraft, 5 pp. RUSSIAN, per, Grazhdanskaya Aviatsiya, No 7, 1959, pp 22, 23.

AF 1250171

Contact-Free Remote Control System, by Ye. Yefimov, 4 pp. RUSSIAN, mp, Gudok, No 28, 3 Feb 1959.

USASIA SC-36/59

All-Union Conference on Automatic Control and Methods of Electrical Measurements, by V. A. Ivantsov, (DC-3327).
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Elektromekh, No 11, Novocherkasak, 1959, pp 132-137.

\*JPRS

٠.

Modulator Equipped With Photo-Resistors for Operational DC Amplifier Mounted on Semi-conductor Triodes, by Ye. V. Dobrov. RUSSIAN, per, Priborstroysmie, No 2, 1959, pp 12-16.

\*ATIC MCL-473/III

Pneumatic Continuous-Action Computer, by N. D. Lanin, 12 pp. RUSSIAN, per, <u>Priborstroyenie</u>, No 7, 1959, pp 3-6.

USASIA SC-58/59

Semiconduct Amplifier for Electronic Automatic Bridges and Potentiometers, by A. V. Yerofeyev, A. A. Lukin, 13 pp. RUSSIAN, per, Priporstroyenie, No 7, 1959, pp 11-14.

USASIA SC-58/59

Experiences in Adjusting the Large Radio Telescope, 4 pp.
RUSSIAN, per, Pribory i Tekh Eksper, Mar/Apr
1959, pp 24-26.

ACSI, H-6053, B

Lenin Prize Winners, The World's Largest Accelerator - The Synchrophasotron, by A. A. Kolomenskiy, M. S. Rabinovich, 9 pp. RUSSIAN, per, Priroda, No 8, 1959, pp 57-61.

USASIA SC-50a/59

When Will There Be Radio Parts? (2) TV Centers Under Construction. (3) Pentode 6P14P in the Final Stage, 17 pp. RUSSIAN, per, Radio, No 4, 1958, pp 14, 15, 51-53, inside back cover.

USASIA SC-52/59

On What Are Our Designers Working?, by B. Semenov, V. Sher, 6 pp. USSIAN, per, Radio, No 5, 1959, pp 8, 9.

USASIA SC-54a/59

Radio Relay Lines, 3 pp.
RUSSIAN, per, Radio, No 5, 1959, p 10.

USASIA 8C-54b/59

On the Choice of a Color Television Broadcast System, by P. Shmekov, 9 pp. RUSSIAN, per, Radio, No 5, 1959, pp 22-24.

USASIA 80-54e/59

Electronic Computer Machines, by G. Zelenkevich, V. Rasroyev, 17 pp.
RUSSIAN, per, Radio, No 5, 19 9, pp 51-55.

UBABIA SC-544/59

Radio Construction in China 3 pp. RUSSIAN, per, Radio, No 5, 959, p 60.

USASIA 8C-54-/59

The Calculation of the Effective Reflection Area of a Surface Target in the Centimeter Wavelength Range, by G. I. Percv. RUSSIAN, per, Radiotekh, Vol XI, No 7, 1956, pp 57-59.

\*AEC

Correlation of Waves After Passage Through a Layer of Statistically Inhomogeneous Medium, by M. F. Bakhareva.
RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 1, 1959, pp 88-96.

Navy 2413/APL T-93

Dispersion Properties of a Coaxial Waveguide With Helical Groove on an Inner Conductor, by N. M. Chirkin.
RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 7, 1959, p 1200.

Navy 2401/ONI 640

Microwave Tube Experiments, 3 pp. RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 9, 1959, pp 1499-1504.

AID/SIR 3160

On the Algorithm for Statistical Selection of High-Probability Symbols in Self-Adjusting System With Limited Memory, by V. L. Epshteyn, 5 pp. RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 9, 1959, pp 1563-1565.

JPRS 2137-N

Hydrogen Halide Masers, by N. E. Zhabotinskiy, V. F. Zolin.

RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 11, 1959.

Navy 2417/APL T-117

Color Television Transmissions Are on the Way, 5 pp.

RUSSIAN, nr., Sovetskaya Aviatsiya, No 43 (3213), 21 Feb 1959, p 4.

USASIA SC-37/59

Work on Waveguide Communication, by Yu. I. Kaznacheyev.

RUSSIAN, per, Vest Ak Neuk SSSR, Oct 1959, pp 68-71.

\*JPRS

The Conference of the Technical Commission of the International Organization of Radio Broadcasting [Held] in Pyongyang (North Korea), 4 pp. RUSSIAN, per, Vest Svyazi, No 7, 1959,

pp 29, 30.

AF 1256170

Noctovision Devices for Land Armies, by A. Mikhaylov, 9 pp.

RUSSIAN, per, Voyenniye Znaniya, No 1, 1959, pp 17-19.

USASIA SC-39/59

Achievements of Modern Radio Electronics, by A. Tarantsov, 11 pp. RUSSIAN, per, Voyennyye Znaniya, No 3, 1959, pp 8-10.

USASIA SC-40/59

Application of High Speed Electronic Computers, (DC-3316).CHINESE, per, K'o-hsueh Hsin-wen, No 30,

Peiping, 1959, p 12.

\*JPRS

On the Problems of Storage Time of Drift Transistor Operating in Saturation Region, by Ch'en Hsing-pi, 33 pp. CHINESE, per, Wu-li Hsueh-pao, Vol XV, No 7, 1959, pp 353-367.

JPRS L-1160-N

Electron Microscope Techniques, by A. Fukami. FRENCH, per, Metaux, May 1955, pp 220-228.

\*BISI 1545

The 'Hassive' Responder, by L. de Magondesux, R. de Magondesux.

FRENCH, per. L'Onde Electrique, Vol XXXIII,

\*Navy/NRL

Measurement of Weak Activities in Carbon 14 and Tritium by a Scintillation Method, by R. Bibron, 11 pp. FRENCH, per, L'Onde Electrique, Vol XXXIX, 1959, pp 40-45.

No 317/318, Aug/Sep 1953, pp 530-539.

AEC Tr 3849

Distance Signal.
GERMAN, bk, Osterreichische Post-und
Telegraphenverwalung; Geschaftsbericht,
1958.

\*ACSI, H-6091

Tables for Frequency Analysis With Practical Applications, by Cakar Essenwanger, 51 pp. GERMAN, per, Berichte des Deutschen Wetterdienstes, Vol V, No 39, 1957, pp 1-13.

AEC/SCI-T-281

A New Sound Recording Truck, by Kurt Schilbach, 11 pp. GERMAN, per, <u>Bild and Ton</u>, No 7, 1959, pp 199-203.

USASIA SC-64/59

The Propagation of Decimeter Waves Over the Terrain, by Udo Kuehn, 15 pp. GERMAN, per, Radio und Fernsehen, Vol VII, No 11, Jun 1958, pp 346-351.

USASIA SC-20/59

VHF Radio Equipment for the Transmission of Video and Audio Sound Signals, by W. Mansfeld, 10 pp.
GERMAN, per, Radio und Fernsehen, Vol VII, No 11, Jun 1958, pp 352-355.

USASIA SC-20/59

Some New Soviet Special-Purpose Tubes, by Hans-Joachim Fischer, 5 pp. GERMAN, per. Radio und Fernsehen, Vol VII, Ko 11, Jun 1958, p 367.

USASIA SC-20/59

Special Measuring Devices for MTI (Moving Terget Indication), by Werner Otto, 8 pp. GERMAN, per, Radio und Fernsehen, No 12, Jun 1958, pp 389-391.

USASIA SC-21/59

Telecom Uses of Supra Conductors, by Fischer, 4 pp.
GERMAN, per, Radio und Fernsehen, No 15, Aug 1958, pp 488, 489.

USASIA SC-23/59

New Soviet Broadcast Receivers, 13 pp. GERMAN, per, Radio und Fernsehen, No 21, 1958, pp 632, 633.

USASIA SC-27/59

Television Transmitting Equipment in the VEB Rafena Werke, by Manfred Schubert, 12 pp. GERMAN, per, Radio und Fernsehen, No 22, Nov 1958, pp 651-654.

USASIA SC-28/59

Nuclear Radiation Measuring Devices for Military Use: A Simple Radiation Indicator With Glow Lamp Indication, by Kurt Langhans, 7 pp. GERMAN, per, Radio und Fernsehen, No 5, Mar 1959, pp 146, 147.

USASIA SC-32/59

Communication Sets, 11 pp.
GERMAN, per, Radio und Fernsehen, No 7,
Apr 1959, pp 208-211.

USASIA SC-33/59

Nuclear Radiation Measuring Devices for Military Use the Dosis Power Meter KL, by Kurt Langhans, 6 pp.
GERMAN, per, Radio und Fernsehen, No 7, Apr 1959, pp 231, 232.

USASIA SC-33/59

Microwave Vacuum Tubes, by H. H. Klinger, 17 pp. GERMAN, per, Radio und Fernsehen, No 8, 1959, pp 238-243.

USASIA SC-34/59

Nuclear Radiation Measuring Devices for Military Use: Instruments for Measuring Radio-activity, by Kurt Langhans, 8 pp. GERMAN, per, Radio und Fernsehen, No 9, May 1959, pp 282, 283.

USASIA SC-35/59

The Soviet Wolns Radiosonde, by P. Beelitz, 5 pp. GERMAN, per, Die Technik, No 1, 1955, pp 43, 44.

USASIA SC-2/59

Semiconductor Components and Precision Resistors, by H. Koeppen, 9 pp. GERMAN, per, Die Technik, No 3, 1956, pp 174-176.

USASIA SC-4/59

A New Radiosonde, by W. Dirks, 5 pp. GERMAN, per, <u>Die Technik</u>, No 3, 1956, pp 229-231.

UBASIA SC-4/59

Communications, Instrumentation, Electron Tubes, by H. Koeppen, 10 pp. GERMAN, per, Die Technik, No 3, 1956, pp 231-237.

USASIA SC-4/59

Works Carried Out by the Research Institute of Computing Installations of the Polish Academy of Science, by L. Lukaszewicz, J. Winkowski, 9 pp. CERMAN, per, <u>Die Technik</u>, No 9, 1959, pp 607-609.

USASIA SC-90/59

Present Situation and Further Development of Black and White and Color Television in the German Democratic Republic, by P. Neidhardt, 9 pp.
3FRMAN, per, Die Technik, No 10, 1959, pp 670-673.

USASIA SC-91b/59

The Importance of Photoelectric Semi-Conductors in Modern Research and Engineering, by Hans-Joachim Pohl, 9 pp. GERMAN, per, Urania, Vol XXI, No 9, 1958, pp. 331-334.

USASIA SC-9/59

Complete Calculation of Heat Exchange in Regenerators, by H. Hausen, 31 pp. GERMAN, per, Z Ver Deut Ing, Verfabrentech, No 2, 1942, pp 31-43.

AEC Tr 3850

Infinitely Long Separating Tube With an End-Volume, by Aifred Elema, 19 pp.
GERMAN, per, 2 fuer Naturforsch, Vol IIIa, 1948, pp 211-216.

ABC Tr 3842

The Direct Production of Electron Pairs by Electrons, by G. Lutjens, 12 pp. GERMAN, per, 2 fuer Naturforsch, Vol XIIIa, 1958, pp 510-514.

AEC SGL 7-272

Automatic Telephone Exchanges for Subscriber, 15 pp.
POLISH, per, Tele-Radio - Przeglad Zagadnien Przemyslowych i Eksploatachjnych, No 3, Oct 1956, pp 96-107.

ACSI. H-4550

Electronic Test and Measuring Equipment, by Zopan.

POLISH, per, Tele-Radio - Przeglad Zagadnien Przemyslowych i Eksploatachjnych, No 6, Jan 1958, pp 336-341.

ACSI, H-4551, B

### Scientific Engineering

What Will Be Built and Where During the Period 1959-1965, by A. I. Vedishchev, (NY-3390).
RUBSIAN, pemphlet, Chto 1 Gde Budet Postro-yenc v 1959-1965 Godskh, 77 pp, 1959.

\*JPRS

Electric Motors Used for Driving Aircraft
Mechanisms and Units, by V. S. Kulebakin,
V. S. Nagorskiy, 12 pp.
RUSSIAN, monograph, Elektroprivod Samoletnykh
Agregatov i Mekhanizmov, Chap II, 1958,
pp 36-46.

AF 1256115

Electric Motors for Spinning Landing Gear Wheels, by V. S. Kulebakin, V. D. Nagorskiy, 7 pp. RUSSIAN, monograph, Elektroprivod Samoletnykh Agregatov i Mekhanizmov, Chap XI, 1958, pp 365-368.

AF 1256154

News of Instrument Technology, by S. P. Tambovtsev. RUSSIAN, bk, Novosti Instrumental noy Tekhniki, Moscov, 1959, pp 48-67.

\*ATIC MCL-479/III

New Methods of Control of Defect Detection in Machine Building and Instrument Construction.

RUSSIAN, bk, Novyve Metody Kontrolya i Defertoskopii v Mashinostroyeniy i Priborostroyeniy, Kiev, 1958, pp 230-233.

\*ATIC MCL-474/III

Radioactive Control and Regulation Methods of Industrial Processes.

RUSSIAN, bk, Radioaktionye Metody Kontrolya i Regulirovaniya Proizodstvennykh Protsessov, Riga, 1959, 295 pp.

\*AEC

Economic Effectiveness of Application of Universal Devices, by A. M. Murashov, N. A. Klimov. RUSSIAN, bk, Ysokoproizvoditel'nyye Prisposobleniya k Metallore-Zhushchim Stanksm, Moscov,

1959, pp 147-151.

\*ATIC MCL-470/III

Scientific Engineering (Contd)

Concerning Mechanism of Origination of Crystalline Creeks Buring Welding and Beading, by T. I. Frumin.

RUSSIAN, per, Avtomat Svarka, No 1 (52), 1957, pp 88-102.

\*ATIC MCL-467/III

Structure of Electro-Slag Welds in Modular Cast Iron, by L. A. Poznyak, et al. RUSSIAN, per, Avtomat Svarka, Vol XI, No 10, 1958, pp 67-74.

HB 4636

'A v

On the Equilibrium of an Elastic Cylinder of Finite Dimensions, by S B. Fliyer, 8 pp. RUSSIAN, per, Dok Ak Nauk Azer SSSR, Vol XIII, No 8, 1957, pp 837-841.

OTIA No 35

Production of Highly Disperse Thermal Carbon Black and Hydrogen in an Industrial Furnace, by A. K. Ivanov.
RUSSIAN, per, Gaz Prom, Vol IV, No 2, 1959, pp 43-49.

ATS RJ-1975

A Multichannel Telemetering Device for Coordinated Geophysical Investigation of Wells, by Ya. E. Belen'kiy, et al. RUSSIAN, per, Geol Nefti i Gaza, Vol III, No 1, 1959, pp 52-55.

ATS RJ-1810

Impact Fatigue in the Presence of Stress Concentrations, by S. V. Tolkachik. RUSSIAN, per, Iz Ak Nauk SSSR, No 5, 1958, pp 106-110.

#AEC

On Thermal Processes in an Electromagnetic Induction Pump, by Ya. Liylpeter, (NY-3368). RUSSIAN, per, Iz Ak Nauk Latviyakoy SSR, No 9, (146), 1959, pp 91-100.

\*JPRS

Melting of Laboratory Specimens of Metal in Vacuum or an Inert Gas by the Levitation Technique, by A. A. Fogel'.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Topliva. No 2, 1959, pp 24-34.

HB 4702

Scientific Engineering (Contd)

Inter-Vuz Scientific-Technical Conference on Electrical Simulation of Problems of Structural Mechanics, Strength of Materials and the Theory of Elasticity, by K. K. Keropyan, (DC-3327).
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Elektromekh, No 11, Novocherkassk, 1959, pp 138-141.

Development of Methods for the Reduction of the Astronomical-Geodetic Network of the USSR, by B. N. Rabinovich, (DC-3261). RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy MVO SSSR, Razdel, Geodeziya i Aerofotos', No 5, Moscow, 1959, pp 23-51.

The Pressure Exerted by a Compact Moving Bed of Granular Material on the Walls of a Shaft Type Apparatus, by P. I. Luk'yanov, et al. RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 1, 1959, pp 63-68.

Graphite Casting Molds, by M. N. Sosnenko, 4 pp.
RUSSIAN, per, Lit Proiz, No 10, 1958, pp 6, 7.

Logging Tools Improved by Induction Hardening, by M. M. Vasil'ev, A. P. Folishchuk.
RUSSIAN, per, Metal i Termicheskaya Obrabotka
Metallov, No 4, 1959, pp 55-57.

Application of Temperature and Parametric Dependences of Prolonged Durability, by N. N. Geminov.
RUSSIAN, per, Metal 1 Termicheskaya Obrabotka Metallov, No 9, 1959, pp 19-22.

New Methods of Logging Bore Holes, Using Pulsed Neutron Sources, by B. G. Krozolimskiy, et al. RUSSIAN, per, Neft Khoz, Vol XXXVI, No 11, 1958, pp 21-28.

Water Shutoff Experiment in Wells of the Romashkino Field, by K. I. Fonomarev. RUSSIAN, per, Neft Khoz, Vol XXXVII, No 4, 1959, pp 67-70.

\*JPRS

\*JPRS

ATS RJ-1967

OTIA Tr 34

**HB** 4576

\*ATIC MCL-468/III

ATS RJ-1821

ATS RJ-1823

Scientific Engineering (Contd)

Dielectric Well Logging, by S. M. Aksel'rod,
G. Ya. Chernysk.

RUSSIAN, per, Razvedka i Othrana Medr,
Vol XXV, No 1, 1959, pp 28-30.

ATS RJ-1818

How to Weigh an Aircraft, 3 pp.
RUSSIAN, np, Sovet Avistsiya, 26 Jul 1959,
p 4.

AF 1256066

A Periscope for Checking Jet Nozzlas, 3 pp.
RUSSIAN, np, Sovet Avistsiya, 30 Jul 1959,
p 2.

AF 1256058

Mechanized Cable Winding, 3 pp.
RESSIAN, up, Sovet Aviatsiya, 27 Aug 1959,
p 2.

AF 1256283

Device to Compress Shock-Absorber Struts, 3 pp. RUSSIAN, np, Sovet Aviatsiya, 27 Aug 1959, p 2. AF 1256295

"Cold" Welding, 3 pp.
RUSSIAN, np, Sovet Aviatsiya, 6 Sep 1959,
p 2. AF 1256259

Effect of Hardenability on Development of Cracks in Tools, by E. I. Malinkina.

RUSSIAN, per, Stanki i Instrument, Vol XXIV,

No 8, 1953, pp 23-27.

HB 4672

New Capacitor Machines for Spot-Welding Thin Metal, by V. E. Moravskiy. RUSSIAN, per, Svarochnoe Proiz, No 1, 1958, pp 40-42.

Numerical Determination of Aerodynamic Characteristics of Certain Wings of Finite Dimensions, by S. V. Ballander, (NY-3367). RUSSIAN, per, Vest Leningrad U, No 19, Ser Matematiki, Mekh i Astron, No 4, 1959, pp 106-112. \*JPRS Scientific Engineering (Contd)

Developable Wings, by S. V. Ballander, (NY-3367).
RUSSIAN, per, Vest Leningrad U, No 19, Ser Matematiki, Merh i Astron, No 4, 1959, pp 113-120.

\*JPRS

Investigation of the Stability of the Vertical Position of a Gyroscope of Variable Mass, by V. S. Novoselov, (NY-3367).
RUBSIAN, per, Vest Leningred U, No 19, Ser Matematiki, Makh i Astron, No 4, 1959.
pp 121-129.

\*JPRS

Dynamic Investigations of Geometrically Similar Specimens, by O. F. Stankevich, et al. RUSSIAN, per, Zavod Lab, No 4, 1959, pp 470-472.

\*ARC

A System for the Automatic Regulation of Pressure and Flow of Gases, by V. M. Emelyanov, et al. RUSSIAN, per, Zavod Lab, No 4, 1959, pp 490, 491.

\*AEC

The Development of Mechanics in Chins in the Past Decade, (DC-3315). CHINESE, per, Li-hsuel Hsueh-pao, Vol III, No 4, Peiping, 1959, pp 277-280.

\*JPRS

Argon-Shielded Arc Welding, by Jan Novotny. CZECH, per, Zvaranie, No 9, 1959, pp 276-281.

\*ATIC MCL-475/III

Circular Concerning Construction and Arrangement of Swimming Pools, by J. Jorgensen, H. Kjems, 14 pp.
DANISH, per, Undervisningministeriets Circulaere, 4 Aug 1959, pp 1-7.

MIE 12-35

Atomic Air-Raid Shelter, by Pierre Teissier. FRENCH, per, Abri Anti-Atomique, 1959.

#ABC

Life-Saving Belt (Description of Patent), by Jean Favre, 4 pp. FRENCH, patent, Ceinture pour Sauvetage (Description de Brevet), Geneva, Apr 1959.

Maritime Admin

entific

Engineering (Contd)

Dust Discharge. Steam Generators Over 10 t/h Capacity Coal Fired, With Forced-Draft and Travelling Grate. VDI Specifications, 21 pp.
GERMAN, pamphlet, VDI, No 2091, Jan 1958.

NIH 12-34

Ship Resistance (Strengthening Procedure), by Engr Dr G. Schnadel, 9 pp. GERMAN, rpt, Die Beuerteiling der Festigkeit von Schiffen.

Maritime Admin

Instructions for Radiation-Safe Shelters.
GERMAN, bk, Richtlinien fuer Strahlungssichere
Schutzbauten, 1959.

\*AEC

Instructions for Blast-Safe Shelters. GERMAN, bk, <u>Richtlinien fuer Strahlungssichere</u> <u>Schutzbauten</u>, 1959.

\*AEC

Engineering Fluid Mechanics, by Charles Jaeger. GERMAN, bk, Technische Hydraulik, 1957, 520 pp.

Dept of Interior TC160, J343

Preliminary Instructions for the Completion in the Reconditioning of Bomb Shelters. GERMAN, bk, Vorlaufige Richtlinien fuer den Ausbau bei der Wiederinstandsetung von Schutzbunkern, 1958.

\*AEC

Preliminary Instructions for the Installation of High and Weak Current Plants in the Reconditioning of Bomb Shelters.

GERMAN, bk, Vorlaufige Richtlinien fuer die Ausstattung mit Elektrischen Stark und Schwachstromanlagen bei der Wiederinstandsetzung von Schutzbunkern, 1958.

\*AEC

Preliminary Instructions for the Installation of Ventillation Plants in the Reconditioning of Bomb Shelters.

GERMAN, bk, Vorlaufige Richtlinien fuer den Einbau von Beluftungsanlagen bei der Wiederinstandsetzung von Schutzbunkern, 1958.

\*AEC

Scientific Engineering (Contd)

Preliminary Instructions for the Water Supply and Sewage Disposal in the Reconditioning of Bomb Shelters.

GERMAN, bk, Vorlaufige Richtlinien fuer die Versorgung mit Wasser und für die Entwasserung bei der Wiederinstandsetzung von Schutzbunkern, 1958.

\*AEC

The Application of Radioisotopes in Hydrology and Hydraulics, by A. Montens. GERMAN, per, Atompraxis, Vol V, No 3, pp 91-93; No 4/5, pp 182-187, 1959.

\*AEC

Wear and Tear of Pipes on the Furnace Side of Horizontal Cyclones; Report at the Ninth Session of the "Furnace" Research Group of the Committee for Operational Practice, May 7, 1957, in Mainz, by E. Goecke.

GERMAN, per, <u>Mitteilungen der Vereinigung der</u> Grosskesselbesitzer, No 51, Dusseldorf, Dec 1957, pp 417-421.

Dept of Interior IN7, E57, No 171

Studies of Electro-Slag Welding Process, by R. Mueller.
GERMAN, per, Schweissen und Schneiden, Vol 1

GERMAN, per, Schweissen und Schneiden, Vol X, No 9, 1958, pp 359-367.

HB 4761

Control System for Fully Automatic Washing Machines, by Hugo Werner Geschka, ll pp. GERMAN, Patentanmeldung No P 11968/VII/8d, Maschinenfabrik Peter Pfenningsberg G.m.b.H.

Patent Office

Unraveling Machine, by Josef Bolten, 9 pp. GERMAN, Patent No 835,117.

Patent Office

Trial Operation of a Blast Furnace on Fluxed Sinter, by M. Inoue, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 3, 1959, pp 189-192.

HB 4770

Testing of Motor Vehicles Under Extreme Climatic Conditions, by K. F. Meier, K. Moyer, 5 pp. POLISH, per, Technika Motoryzacyjna, 2 Feb 1959.

OTIA No 4807

Underground Storage in Southern USSR, 5 pp. UKRAINIAN, per, <u>Budivnytstvo i Arkhitektura</u>, No 8, 1959, pp 32, 33.

AID T-34

Scientific Fuels

Coal Hardness, by A. V. Dokunin, D. G. Onika. RUSSIAN, bk, Ugol'naya Promyshlennost!'
Polskoy Narodnoy Respubliki, 1957, pp 221-226.

Dept of Interior TN7, E57, No 167

Method of Determination of True Water Saturation of an Oil-Bearing Formation, by P. K. Gur'ba.

RUSSIAN, per, Geol Neft 1 Gaza, Vol III, No 2, 1959, pp 49-52.

ATS RJ-1833

Cracking Sulfurous Crudes, 8 pp. RUSSIAN, per, Neftyanik, No 10, 1958, pp 14-17.

AF 1256121

Effect of Partial Replacement of Coke by Gas as a Fuel in Sintering Machines, by H. Raush, K. Meyer.
GERMAN, per, Stahl u Eisen, Vol LXXVIII, No 9, 1958, pp 600-606.

HB 4680

Underground Gasification in Poland, by K. Dziunikowski. POLISH, per, <u>Viadomosci Gornicze</u>, Oct 1957, pp 284-289.

Dept of Interior TN7, E57, No 168 Scientific Geophysics

Arctic Ice, (Introduction), by W. W. Zubov, 6 pp.
RUSSIAN, bk, L'dy Arktiki, 1945.

Amer Meteorol Soc AF Combridge Res Center

Arctic Ice, (Author's Preface), by N. N. Zubov, 2 pp. RUSSIAN, bk, L'dy Arktiki, 1945.

(see above)

Some Properties of Sea Water, 25 pp. RUSSIAN, bk, L'dy Arktiki, Chap I, 1945, pp 3-18.

(see above)

Expedition on the Airplane SSSR N-169 to the Pole of Inaccessibility.

RUSSIAN, bk, Nauchnye Rezul'taty, Moscow, Izdatel'stvo Glavsevmorputi, 1946, pp 58-123, 155-177.

(see above)

Principles of Mechanics of Frozen Ground, by N. A. Tsytovich, M. I. Sumgin, 288 pp. RUSSIAN, bk, Osnovaniya Mekhaniki Merzlykh Gruntov, Izdatel'stvo Ak Nauk SSSR, Moscow/Leningrad, 1937. 651457

USA Snow, Ice and Permafrost Res, Corps of Engrs Tr 19

Deposition of the Snow Cover. Part II, by P. A. Shumskiy, 12 pp. RUSSIAN, bk. Osnovy Strukturnogo Ledcredeniya, Chap VI, 1955, pp 5-149, 239-248.

Amer Meteorol Soc AF Cambridge Res Center

Soviet Expedition to the North Pole, 1937. RUSSIAN, bk, Trudy Dreifuiushchei Stantsii "Severnyi Polius;" Nauchnye Otchety i Rezul'taty Nabliudenii Dreifuiushchei Ekspeditsii Glavsevmorputi 1937-1938 gg, Leningrad, Izdatel'stvo Glavsevmorputi, Vol I, 1940, pp 7-114, 209-334.

Amer Meteorol Soc AF Cambridge Res Center

The Argon Method of Dating and Its Applications, by E. K. Gerling, et al. RUSSIAN, per, <u>Byull Komissii po Opredeleniyu Absolyut Vozrasta Geol Formatsii</u>, No 2, 1957, pp 8-27.

6

ATS RJ-1842

Scientific Deophysics (Costs

Carbonate Modeles of Organic Origin, by V. P. Maslov.

RUSSIAN, per, <u>Byull Moskov Obshebestva</u> Ispytateley Frirody, Ottel Geol, Vol XXVII, No 4, 1952, pp 28-45.

ATS RJ-1805

On Free Convection in the Deepwater Troughs of the Oceans, by B. A. Tareyev, 7 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 5, 1959, pp 1005-1008.

JPRS 2119-N

Some USSR Results Obtained by Measuring the Magnetic Field of the Earth With a Space Rocket, by S. Sh. Dolginov, N. V. Pushkov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1, Nov/Dec 1959, pp 77-80.

JPRS L-1981-D

Modes of Occurrence of Dispersed Organic Matter in Sedimentary Rocks, by V. N. Florovskaya.

RUSSIAN, per, Dok Vysshey Nauch Shkoly, Geol-Geograf Nauk, No 1, 1958, pp 246-249.

ATS RJ-1806

Relationship Between the Lower Carboniferous Volga-Ural Oil Source Rocks and Coal Measures, by N. I. Markovskiy.
RUSSIAN, per, Geol Nefti i Gaza, Vol III, No 3, 1959, pp 22-29.

ATS RJ-1803

Arctic. Soviet Drifting Stations. RUSSIAN, np, Izvestiya, 27 Jul 1954, 5 Sep 1954, 12 Nov 1954.

Amer Meteorol Soc AF Cambridge Res Center

Refracted Waves Associated With Water-Bearing Sands. Part I, by I. S. Berzon, et al. RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 1, 1959, pp 32-48.

ATS RJ-1811

Elastic Waves in Strata of Finite Thickness, by Yu. V. Riznichenko, O. G. Shamina. RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 3, 1959, pp 344-360.

ATS RJ-1812

Setertific Geophysics (Count)

Sixth Conference on Problems of the Study of Clouds, Precipitation and Weather Modification, by E L. Aleksandrov, (DC-3293).

HUSSIAN, per, <u>Iz Ak Nauk SSSR</u>, Ser Geofiz, No 10, 1959, pp 1526, 1527.

+JPBS

Effect of Pressure on the Capillary Displacement of a Hydrocarbon Liquid From a Porous Medium by Water, by A. A. Kocheshkov. RUSSIAN, per, Iz Tysshikh Ucheb Zaved, Neft 1 Gaz, No 2, 1959, pp 59-65.

ATS RJ-1822

What the Charts of Isotherms at the 500-mb Level Depict, by V. S. Antonov, Z. M. Makhover, 2 pp. RUSSIAN, per, Met 1 Gid, No 9, 1956, p 32.

Amer Meteorol Soc AF Cambridge Res Center

Solution of the Spatial Problem of the Change in the Geopotential With Time, In Which the Substitution of Finite Differences for the Laplacian Is Made More Accurate, by Hsin-yuuan, Tu, 6 pp.
RUSSIAN, per, Met i Gid, No 1, 1959, pp 31-33.

(see above)

The Maximum Thickness of Sea and Land Ice, by N. N. Zubov, 7 pp. RUSSIAN, per, Met 1 Gid, No 2, 1959, pp 22-27.

(see above)

Determination of Sludge Ice Density, by A. I. Kuznetsov, 3 pp. RUSSIAN, per, Met 1 Gid, No 2, 1959, pp 56, 57.

(see above)

Bathometer for Taking Water Samples, by V. I. Rogozhkin, 3 pp.
RUSSIAN, per, Met 1 Gid, No 5, 1959, pp 54, 55.

JPRS 2097-N

Stratospheric Jet Stream in the Warm Half of the Year, by Kh. P. Pogosyan, 15 pp. RUSSIAN, per, Met 1 Gid, No 7, 1959, pp 3-13.

JPRS L-1144-N

An Analytical Method of Processing the Data of a Drifting Automatic Radio-Meteorological Station, by V. I. Yakovlev, 4 pp. RUSSIAN, per, Met i Gid, No 7, 1959, pp 41, 42.

JPRS L-1145-N

Scientific Resphysics (Contd)

Literature on Meteorology, Hydrology and Oceanology in 1958 (Continued). Articles in Journals and Collections, 10 pp. RUSSIAN, per, Met i Gid, No 7, 1959, pp 54-57.

JPRS L-1146-N

The Problem of the Northern Branch of Zonal (Current) Transport in Winter Over Asia, by 0. K. Il'inskiy, 6 pp. RUSSIAN, per, Met i Gid, No 8, 1959, pp 13-15.

JPRS L-1152-N

Experimental Work on the Organization of a Ship's Network, by L. S. Alekhina, S. P. Lugovenko, 3 pp. RUSSIAN, per, Met 1 Gid, No 8, 1959, pp 33, 34.

JPRS L-1153-N

Measurements of Wind-Raised Waves During the Second Voyage of the Complex Antarctic Expedition, by A. A. Dreyer, 4 pp. RUSSIAN, per, Mezhdunarodnyy Geofiz God, Informats Byull, No 7, 1959, pp 57-59.

JPRS L-1166-N

Certain Characteristics of Formation Water Influx After the Shut-Down of Flowing Wells, by I. M. Murav'ev, et al.
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 1, 1959, pp 49-54.

ATS RJ-1827

At the Arctic Drifting Stations, 3 pp. RUSSIAN, np, Pravda.

Amer Meteorol Soc AF Cambridge Res Center

A Workday at the Drifting Scientific Stations, 5 pp.
RUSSIAN, np, Pravda.

(see above)

Arctic. Soviet Drifting Stations. RUSSIAN, np, <u>Pravda</u>, No 119, 171, 199, 283, 1954; No 96, 1955; No 79, 1957.

(see above)

Energy of the Upper Atmosphere, 3 pp. RUSSIAN, per, Priroda, No 9, 1959, pp 95-97.

AID/SIR 3166

Scientifi: Geophysics (Contd)

A Narwhal in the Region of Drifting Station North Pole-5, by G L. Rutilevskiy, 4 pp. RUSSIAN, per, <u>Problemy Arktiki</u>, No 3, 1958, pp 116-119.

Amer Meteorol Soc AF Combridge Res Center

Determination of the Velocity and Direction of Flow of Ground Waters From the Data of a Single Well, by B. K. Matveyev.

RUSSIAN, per, Razvedka i Okhrana Nedr, Vol
XXIV, No 12, 1958, pp 44-47.

ATS RJ-1826

The Tectonics and Oil Occurrence of the Borderland of the Southeastern Part of the Russian Platform, by I. I. Zyablitskiy. RUSSIAN, per, Razvedka i Okhrana Nedr, Vol XXV, No 2, 1959, pp 5-10.

ATS RJ-1802

Geophysical Apparatus, 3 pp. RUSSIAN, per, Razvedka i Okhrana Nedr, No 8, 1959, pp 27-32.

AID/SIR-3167

The System of Carbonate Equilibria (Domomite, Magnesite), by A. V. Kazakov, et al. RUSSIAN, per, Trudy Inst Geol Nauk Ak Nauk SSSR, No 152, Ser Geol, No 64, 1957, pp 13-58.

ATS RJ-1836

Results of Hydrochemical Survey in the Minusinsk Trough, by V. G. Glezer. RUSSIAN, per, <u>Trudy Inst Neft Ak Nauk SSSR</u>, Vol IX, 1959, pp 68-80.

ATS RJ-1843

New Instrument for Measuring the Optical Properties of Sea Water, by M. V. Kozlyaninov, 13 pp.
RUSSIAN, per, Trudy Inst Okeanol Ak Nauk SSSR, Vol XXV, 1957, pp 134-142.

JPRS 2097-N

Thermobattery for Measuring Pulsations in Air Temperature, by V. I. Nemchenko, 8 pp. RUSSIAN, per, <u>Trudy Morskogo Gidrofiz Inst</u>, Moscow, Vol XIII, 1958, pp 73-77.

JPRS 2127-N

بالذائك كالمعد أالذب

### Scophysics (Contd)

The Possibility of Identifying Oil Source Rocks in the Carboniferous and Permian of the Volga-Ural Region, by Z. L. Maimin. RUSSIAN, per, Trudy Vses Neft Nauch-Issled Geol Inst, No 117, 1958, pp 252-276.

ATS RJ-1804

Conference on Actinometry, 11 pp. RUSSIAN, per, Uspekh Fiz Nauk, Vol LXVIII, No 2, 1959, p 345.

No 6, Alma-Ata, 1959, pp 36-46.

AID/SIR 3135

Some Results of Investigations According to the IGY Program, by V. G. Fesenkov, 17 pp.
RUSSIAN, per, Vest Ak Nauk Kazakh SSR,

JPRS 2092-N

Study of the Sun and Problems of Geophysics, by E. R. Mustel', N. B. Yegorova, 5 pp. RUSSIAN, per, Vest Ak Nauk SSSR, No 8, 1959, pp 87-89.

JPRS 2133-N

The Problem of the Systematization and Phylogeny of the Superfamily Endothyridae, by E. A. Reitlinger.
RUSSIAN, per, Voprosy Mikropaleontol, Ak
Nauk SSSR, Otdel Geol-Geograf Nauk Geol
Inst, Vol II, 1958, pp 53-73.

ATS RJ-1846

A New Family of Foraminifera - Tuberitinidae, M.-Maclay Fam. Nov., by A. D. Miklukho-Maklay.

RUSSIAN, per, Voprosy Mikropaleontol, Ak Nauk

RUSSIAN, per, Voprosy Mikropaleontol, Ak Nauk SSSR, Otdel Geol-Geograf Nauk Geol Inst, Vol II, 1958, pp 130-135.

ATS RJ-1847

Catalytic Effect of Rocks on the Change in Petroleum Composition, by A. F. Dobryanskiy, et al.
RISSIAN. per. Zhur Prik Khim. Vol XXII.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 10, 1949, pp 1124-1132.

ATS RJ-1835

Weather Forecasting Elevated to a Science, by Hermann Flohn, 10 pp. GERMAN, bk, Forscher und Wissenschaftler imeni Heutigen Europa - Weltall und Erde, 1956 (?), pp 303-310.

Amer Meteorol Soc AF Cambridge Res Center

# i dentificación de la constanta de la constant

is simple Nethod for the Determination of Pances of the Wind Vector in the 200 to 300-m Atmosphere Level Above the Ground, by W. Boer, J. Kolbig, 11 pp. GERMAN, per, Angew Meteorol, Vol III, 1958, pp 161-163.

ABC SCENT-274

The Determination of the Number of Individual Values Necessary for a Representative Mean Value, by H. Bochow, W. Hohne, A. Raeuber, 10 pp.

GERMAN, per, Angew Meteorol, Vol III, No 6, 1958, pp 170-173.

AEC SCE/T-279

Photogrammetric Cloud Measurement, by Heinz-Gunter Neumann, 10 pp.
GEFMAN, per, <u>Bildmessung und Luftbildwesen</u>,
No 2, 1958, pp 45-51.

Amer Meteorol Soc AF Cambridge Res Center

Remarks on the Problem of Nomenclature of the Atmosphere, by Hermann, Flohn, 4 pp. GERMAN, per, Deutscher Wetterdienst in der US-Zone, Berichte, Vol IV, No 22, 1956, pp 85, 86.

(see above)

The Null Layer Effect and the Jet Stream, by G. Holimann, 15 pp. GERMAN, per, Met Rundschau, Vol VII, No 9/10, 1954, pp 166-170.

(see above)

The Behavior of Atmospheric-Electric Values During Precipitation at Different Altitudes, From a Synoptic Point of View, by Reinhold Reiter, 49 pp.
GERMAN, per, Met Rundschau, Vol X, No 2, 1957, pp 63-75.

(see above)

Convex images, by K. Zindler, 5 pp. GERMAN, per, Monatshefts fuer Mathematik und Physik, Vol XXXI, 1921, pp 25-29.

(see above)

Partial Reflections in Weak Tropospheric Wave-Ducts, by Karl-Heinz Schmelovsky, 11 pp. GERMAN, per, Z fuer Meteorolog, Vol X, No 8, 1956, pp 239-243.

(see above)

Scientific Geophysics (Contd)

Deuterium Oxide Content of Oil Field Water Samples, by K. Czike, P. C. Fodor. HUNGARIAN, per, Hidrol Kozlony, Vol XXXVII, No 3, 1957, pp 245-248.

A Characteristic Evolution of Radar Echoes Originating From a Thunderstorm, by O. Sarrica, 14 pp. ITALIAN, per, Associazione Geofisica Italiana, Atti del VII Convegno Annuale, 7-9 Nov 1957, No 7, 1958 (?), pp 1-13.

Fast Response Collector for Observation of Atmospheric Electricity, by Mankichi Hasegawa, 12 pp.

JAPANESE, per, Cnikyu Butsuri, Vol IV, No 3, 1940, pp 161-169.

Relationship of Jet Stream Secular Variation to Glacier Activity, by Takeo Yamamoto, 3 pp. JAPANESE, per, Quaternary Research, Vol I, No 2, 1958, pp 45-48.

Visco-Elasticity of Ice in the Temperature Range 0° > - 100°C, Communication I, by Kenji Yamaji, Kuroiwa Daisuke, 11 pp. JAPANESE, per, Teion Kagaku, Vol XV, 1956, pp 171-183.

Surface Exploration for Petroleum by Measuring the Radioactivity of the Soil, by K. Przwłocki. POLISH, per, Przeglad Geol, Vol VI, No 3, 1958, pp 132-134.

ATS RJ-1834

Amer Meteorol Soc AF Cambridge Res Center

(see above)

(see above)

(see above)

ATS PJ-3.844

#### Scientific Mathematics

Generalized Functions, by I. M. Gelfand, C. E.

RESIAN, bk, Obshchennyye Funkteii, Yol I-IV. Princeton Bair Press

Some Conditions for Completeness in Countable-Valued Logic, by G. P. Gavrilov, (NY-3440). RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 1, Sep/Oct 1959, pp 21-24.

\*JPRS

Games With Forbidden Situations, by N. N. Vorob'yev, I. V. Romanovskiy, 8 pp. RUSSIAN, per, Vest Leningrad U, Ser Matemat, Mekh i Astron, No 7, Leningrad, 1959, pp 50-54.

JPRS L-1159-N

Summary of China's Achievements in Mathematics in the Past Decade, by Yung Nu, (DC-3316). CHINESE, per, K'o-haueh Hain-wen, No 30, Peiping, 1959, pp 26-30.

\*JPRS

## Scientific Medicine

<del></del>	
Pain. The Effect of Pain Stimuli on the Vital stivity of the Organism, by S. M. Monyesov, (MY-3402). RUSSIAN, bk, Bol' Vliyaniya Bolevikh Razdrazheniy na Zhiznedeyatel nost' Organizma, Blagoveshchensk, 1958, pp 191-202.	*JPRS
The Prophylaxis of Infectious Diseases in War Time, by I. Yelkina, 6 pp. RUSSIAN, bk, <u>Kurs Epidemiologii</u> , Chap IX, 1958, pp 76-79.	JPRS L-1151-M
Fundamentals of Epidemiological Analysis, by I. Yelkina, 27 pp. RUSSIAN, bk, Kurs Epidemiologii, Chap XI, 1958, pp 83-105.	JPRS L-1151-M
Bases of the Organization of the Sanitary-Epidemiological Service of the USSR, by I. Yelkina, 7 pp. RUSSIAW bk, Kurs Epidemiologii, Chap XII, 1958, - 105-109.	JPRS L-1151-W
Cholera, by I. Yelkina, 10 pp. RUSSIAN, bk, <u>Kurs Epidemiologii</u> , 1958, pp 202-209.	JPRS L-1151-N
Psittacosis and Ornithosis, by I. Yelkina, 5 pp.	
RUSSIAN, bk, <u>Kurs Epidemiologii</u> , 1958, pp 264-267.	JPRS J1151-N
Yellow Fever, by I. Yelkina, 3 pp. RUSSIAN, bk, <u>Kurs Epidemiologii</u> , 1958, pp 359-361.	JPRS L-1151-N
Plague, by I. Yelkina, 19 pp. RUSSIAN, bk, Kurs Epidemiologii, 1958, pp 361-373.	JPRS L-1151-N
Tularemia, by I. Yelkina, 13 pp. RUSSIAN, bk, Kurs Epidemiologii, 1958, pp 373-380.	JPRS L-1151-N

Scientific Medicine (Contd)

Anthrax, by I. Yelkina, 8 pp.
RUSSIAN, bk, Kurs Epidemiologii, 1958,
pp 403-407.

JPRS L-1151-#

Glanders, by I. Yelkina, 5 pp. RUSGIAN, bk, Kurs Epidemiologii, 1958, pp 410-412.

JPRS L-1151-N

Foot and Mouth Disease, by I. Yelkina, 4 pp. RUSSIAN, bk, Kurs Epidemiologii, 1958, pp 413-415.

JPRS L-1151-N

Main Results of Study of Epidemiology and Prophylaxis of Tularemia in Northern Part of Volga-Akhtubinsk Bottom Land in Zone of Construction of Stalingrad Hydroelectric Station, by N. G. Olsuf'yev. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 5-9.

#NIH

Epidemiological Characteristics of Tularemia in Northern Part of Volga-Akhtubinsk Bottom Land, by V. P. Borcdin.
RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 10-17.

\*NIH

Districts (Rayons) of Northern Part of Volga-Akhtubinsk Bottom Land Suitable to Study of Natural Nidus of Tularemia, by V. V. Kucheruk. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 18-32.

\*NIH

Short Description of Ecology of Water Rat in Northern Part of Volga-Akhtubinsk Bottom Land, by V. V. Kucheruk.
RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 33-47.

\*NIH

Small Mammals of the Volga-Akhtubinsk Bottom Land, by N. A. Nikitina, P. A. Kartushin. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 48-63.

#NIH

Fauna, Distribution, Number and Certain Problems of the Ecology of Ixedid Ticks in Morthern Pert of Wolga-Akhtubinsk Bottom Land, by V. G. Petrov. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 64-70.

Ecology of Immature Phases of Rhipicephalus Rossicus Jak. et K. Jak. and Dermacentor Marginatus Sulz. Ticks in Conditions of Volga-Antulnak Bottom Land, by I. N. Nefedova, N. A. Nikitina. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 71-81. #AIH

\*NIK

\*NIH

\*XIH

\*#IH

**#NTH** 

Fauna of Ectoparasites of Small Mammals of Northern Part of Volga-Akhtubinsk Bottom Land, by I. N. Nefedova. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 82-90.

Fauna, Distribution and Seasonal Number of Blood-Sucking Diptera in Northern Part of Volga-Akhtubinsk Bottom Land and in Volga Valley Within Stalingrad Oblast, by N. G. Olsuf'yev.
RUSSIAN, bk, Voprosy Epidemiologis i Profilaktiki Tuliaremii, 1958, pp 91-104.

Contribution to Study of Epizootological Characteristics of Natural Nidus of Tularemia of Northern Part of Volga-Akhtubinsk Bottom Land, by N. G. Olsuf'yev.

RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 105-316.

Experimental Study of Dermacentor Marginatus Sulz. and Rhipicephalus Rossicus Jak. et K. Jak. Ticks as Vectors of Tularemia, by V. G. Petrov. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 117-123.

Problem of Latent Tularemia in Water Rat, by
N. S. Yamolova,
RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 124-129. \*NIH

Characteristics of Experimental Tularemia in Small Suslik, by N. I. Makarov, E. P. Makarova. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1950, pp 130-134.

**4413** 

Susceptibility of Southern Gerbil to Tularemia Infection at Various Seasons of the Year, by N. A. Bystrova.

RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 135-139.

#HIH

Study of the Characteristics of Experimental Tularemia in Lake Frog, Rana Ridibunda, by Z. I. Murav'yeva.

RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 140-145.

#NIH

Concerning Erysipeloid in Small Mammals in Northern Part of Volga-Akhtubinsk Bottom Land, by A. P. Samsonova. RUSSIAN, bk, Voprosy Epidemiologii i Profilak-

tiki Tuliaremii, 1958, pp 146-151.

\*NIH

Study of Effectiveness of Antitularenia Vaccination in Zone of Construction of Stalingrad Hydroelectric Station, by V. P. Borodin.
RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliarenii, 1958, pp 152-155.

\*NIH

Skin Test With Tularin From Vaccine Strain to Determine Immunity in Those Inoculated Against Tularemia and for Diagnosis of This Infection, by N. G. Ilsuf'yev.

RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 156-158.

\*NIH

Comparison of Results of Extermination of Water Rat by Means of Poisoned Grain and Vegetable Baits, by V. V. Kucheruk.

RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 159-168.

\*NIH

Importance of Industry in Regulating the Number of Water Rat, by N. A. Spitsyn.
RUSSIAN, bk, Voprosy Roidemiologii i Profilaktiki Tuliaremii, 1958, pp 169-1/2.

**SEYN** 

Problem of Dermacentor Marginatus Sulz. and Rhipicephalus Rossicus Jak. et K. Jak. Tick Control Through Use of Pentachlorine (DDT) and Hexachlorane, by V. G. Petrov. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 173-180.

#NIH

Features of Spread of Water Rat Along Volga-Akhtubinsk Bottom Land and Prognosis of Number of This Wild Creature After Beginning Operation of Hydroelectric Station, by P. A. Panteleyev. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 181-183.

#NIH

Combination of Tularemia Control Measures in Zone of Construction of Stalingrad Hydroelectric Station and Districts (Rayons) Adjacent to It. RUSSIAN, bk, Voprosy Epidemiologii i Profilaktiki Tuliaremii, 1958, pp 184, 185.

\*NIH

Gastro-Intestinal Tract Tumors in Monkeys After Prolonged Cholesterol Administration, by B. A. Lapin, L. A. Yakovleva, 10 pp. RUSSIAN, per, Arkhiv Patologii, Vol XXI, No 10, 1959, pp 25-30.

JPRS L-1156-N

Prospects for the Further Development of Medical Science in Azerbaydzhan SSR During the Seven-Year Plan (1959-1965), by D. Yu. Guseynov, (NY-3412).
RUSSIAN, per, Azerbaydzhanskiy Med Zhur, No 11, Baku, 1959, pp 3-7.

\*JPRS

Study by the Interference Method of Elastic-Volumetric Changes in the Nerve During Excitation, by L. P. Kayushin, R. G. Lyudkovskaya, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, No 2, 1954, pp 253-255. 9044716

Genetic Effect of Free Radicals, by M. P. Dubinin, B. N. Sidorov, N. N. Sokolov, (MY-3440). RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 1, Sep/Oct 1959, pp 172-175.

\*JPRS

Establishment of Standard Values of General Vibration, by Ye. Ts. Andreyeva-Galanina, (NY-3455).

RUSSIAN, per, Gigi Truda i Professional'nyye Zabolevaniya, Vol III, No 6, 1959, pp 3-8.

\*JPRS

On Adaptation of the Organism to Prolonged Action of Radiant Energy, by T. V. Kalyada, (NY-3455).

RUSSIAN, per, Gigi Truda i Professional'nyve Zabolevaniya, Vol III, No 6, 1959, pp 16-21.

\*JPRS

Materials on the Toxicology of Radioactive Iron, by N. D. Sagaydak, (NY-3455). RUSSIAN, per, Gigi Truda i Professional nyye Zabolevaniya, Vol III, No 6, 1959, pp 22-28.

\*JPRS

Proceedings of the 1690th Meeting of the Surgical Society of Moscow and Moscow Oblast, Held 24 April 1959, (NY-3379).
RUSSIAN, per, Khirurgiya, No 11, 1959, pp 140-142.

\*JPRS

Proceedings of the 1691st Meeting of the Surgical Society of Moscow and Moscow Oblast, Held 8 May 1959 NY-3379).
RUSSIAN, per, Khirurgiya, No 11, 1959, pp 143-148.

\*JPRS

Problems of the Sanitary-Epidemiological Service in the Control of Parasitic Diseases in Various Zones of the USSR, by V. P. Derbeneva-Ukhova, et al. RUSSIAN, per, Med Parazitol, Vol XXVIII, No 3, May/Jun 1959, pp 287-294.

\*USDA

All-Union Conference on the Control of Parasitic Diseases, by L. V. Babenko, C. F. Buyanova, O. I. Kelling, Ye. S. Leykins, Ye. P. Resumowa, E. I. Fastovskaya, L. Ye. Chalaya, N. K. Shipitsina, (NY-3413). RUSSIAN, per, Med Parazitol i Parazitar Bol, \*JPRS No 3, 1959, pp 364-373. Digestion With Pepsin of Serum Albumen Irradiated With Gamma Rays Outside or Within the Body, by Ya. A. Epshtein, E. A. Zabozlayeva. RUSSIAN, per, Med Radiolog, No 6, 1956, pp 65-72. **#AEC** Selected Articles From "Med Radiol," No 2, 1959, pp 3-9, 20-49, 55-62, 78, 79, 86, 91-96. (NY-3428). \*JPRS Selected Articles From "Med Radiol," No 3, 1959, pp 3-13, 21-39, 42, 43, 61-70, 80, 81, 89-91, 95, 96. (NY-3429). \*JPRS Selected Articles From "Med Radiol," No 5, 1959, pp 7-22, 28-47, 52-71, 77-83, 85-90, 93-95, (NY-3431).\*JPRS Selected Articles From "Med Radiol," No 6, 1959, pp 3-55, 61-93, 95, 96, (NY-3432). \*JPRS Selected Articles From "Med Radiol," No 8, 1959, pp 3-9, 17-32, 49-71, 81-91, (NY-3433). \*JPRS Selected Articles From "Med Radiol," No 9, 1959, pp 13-17, 24-28, 33-62, 66-90, (NY-3434). \*JPRS Selected Articles From "Med Radiol," No 10, 1959, \*JPKS pp 17-46, 59-95, (NY-3435). On the Threshold of High Altitudes, 7 pp. AF 1256241 RUSSIAN, per, Ogonek, No 42, 1959, pp 14, 15. Perspectives in the Development of Pediatric Science in the Light of Resolutions of the XXI Congress of the CPSU, by O. D. Sokolova-Ponomareva, (NY-3443).\*JPRS RUSSIAN, per, Pediatriya, No 12, 1959, pp 3-8.

This Affects Everyone: Medical Establishments Lack Good Technical Equipment, by A. Bakulev, I. Smirnov, (NY-3378). RUSSIAH, np, Pravda, 8 Dec 1959, p 2.

\*JPRS

Pulse Tonometer, 3 pp.
RUSSIAN, np, Sovet Aviatsiya, 10 Sep 1959, p 3.

AF 1256147

Third All-Union Congress of Pathologico-Anatomists, by L. M. Samnylova, (NY-3456). RUSSIAN, per, Sov Med, No 12, 1959, pp 124-128.

\*JPRS

Problem of Reflex Regulation of Milk Ejection, by G. A. Tsakhayev.
RUSSIAN, per, Trudy Inst Fiz imeni I. P.
Pavlova, Vol IV, 1955, pp 5-16.

DSIR LLU RTS 1242

Study of the Reflex of Milk Ejection in Goats With the Aid of Localized Cooling of the Spinal Cord, by G. N. Pavlov.
RUSSIAN, per, Trudy Inst Fiz imeni I. P. Pavlova, Vol IV, 1955, pp 17-21.

DSIR LLU RTS 1243

Electrophysiological Study of the Effect of Ionizing Radiation on the Functional Condition of the Cerebral Cortex Under Normal and Pathological Conditions, by T. A. Korol'kova, 23 pp. RUSSIAN, per, Trudy Inst Vysshey Nervnoy Deyatel'nosti, Ser Fiziol, Vol III, 1959, pp 121-135.

JPRS L-1074-N

About the Physiology of the Antrum of the Stemach, by G. P. Zelenii, V. V. Savitch, 12 pp. RUSSIAN, per, Trudy Obshch Russk Vrach S. Petersburg, Vol IXXVIII, 1911, pp 221-233.

NIH 12-51

The Effect of Anticholinesterase Substances on the Ribonucleic Acid Content of the Nerve Cell, by V. V. Sokolovskiy, 10 pp.
RUSSIAN, per, <u>Tsitologiya</u>, Vol I, No 4, 1959, pp 431-435.

Chemical Agents for the Prophylaxis of Acute Radiation Sickness, by F. Yu. Rachimskiy, A. S. Mozzhukhin, N. M. Slavachevskaya, L. I. Tank, (NY-3454).

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 12, 1959, pp 1488-1522.

Soviet Biochemists Visiting the USA, by V. N. Orekhovich, S. R. Mardashev, 19 pp. RUSSIAN, per, Vest Ak Med Nauk SSSR, No 7, 1959, pp 57-67.

Opening Address at the XIII Session of the General Meeting of the USSR Academy of Medical Sciences, by A. N. Bakulev, 6 pp. RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 8, 1959, pp 3-6.

Some Aspects of Bacteriophage Application in Radiobiological Research, by V. D. Timakov, D. M. Gol'dfarb, G. Ye. Fradkin, 12 pp. RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 8, 1959, pp 61-67.

Problems of Inherited and Moninherited Disturbances in Otogenesis Produced by the Action of Radiation, by P. G. Svetlov, (NY-3319). RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 11, 1959, pp 29-37.

Conference on the Physiology of Heat Exchange and Hygiene of Industrial Microclimate, by A. Ye. Malysheva, (DC-3331). RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 12, 1959, pp 36-41.

Impressions of a Trip to the USA, by S. V. Anichkov, V. V. Zakusov, V. S. Rusinov (NY-3389). RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 12, 1959, pp 42-53.

\*JPRS

JPRS L-109C-N

JPRS L-1945-D

JPRS L-1948-D

\*JPRS

\*JPRS

\*JPRS

The Work of the Bureau of the Department of Hygiene, Microbiology and Epidemiology Academy of Medical Sciences USSR During 1958, by B. M. Shumkin, A. I. Denilov, (DC-3330). RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 12, 1959, pp 54-60.

\*JPRS

In the Presidium of the Academy of Medical Sciences of the USSR, by M. A. Ivanova, (NY-3393).
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 12, 1959, pp 84-89.

\*JPRS

\*JPR3

Scientific Session of the Military Medical Order of Lenin Academy Imeni S. M. Kirov, USSR, by A. I. Govorov, 8 pp. RUSSIAN, per, <u>Voyenno-Med Zhur</u>, No 7, 1959, pp 91-94.

JPRS L-1970-D

Anti-Chemical Training of Soldiers, by I. Romanovskiy, (DC-3357). RUSSIAN, per, Voyennyy Vest, No 12, 1959, pp 57-61.

\*JPRS

The Bacteriological Weapon and Protection From It, by T. Dolbnin, 7 pp. RUSSIAN, per, Voyennye Znaniya, Vol XXXV, No 1, 1959, pp 28, 29.

JPRS L-1154-N

Foreign Medical Workers About the Achievements of Soviet Public Health, (NY-3377). RUSSIAN, per, <u>Vrachebnoye Delo</u>, No 11, 1959, pp 1221-1224.

\*JPRS

The Present State and Future Prospects for the Study of Q-Rickettsiosis in Kazakhstan, by V. D. Borisov, I. K. Karakulov, S. A. Amanzhulov. RUSSIAN, per, Zhur Mikrobiol, Epidemiol, i Immunobiol, No 8, 1955, pp 67-72.

\*USDA

The Effect of Sublethal Doses of the Botulinus Toxin on the Body in Manifold Administration, by K. I. Matveyev.

MESTAN. per. Thur Mikrobiol. Endemiol. I

RUSSIAN, per, Zhur Mikrobiol, Epidemiol, 1 Immunobiol, No 9, 1959, pp 71-78.

\*USDA

Major Achievements in Chinese Pharmacology in the Past Decade, by Chin Yin-ch'ang, (DC-3321).

CHINESE, per, Chung-chi I-k'an, No 10, 1959, pp 16-18.

\*JPRS

A Decade of Achievement in Research on Chinese Traditional Drugs Since the Founding of the State, (DC-3321). CHINESE, per. Yao-hsueh T'ung-pao. Vol VII.

CHINESE, per, Yao-hsueh T'ung-pao, Vol VII, No 9, Peiping, 1959, pp 440.

\*JPRS

China's Achievements in Pharmaceutical Chemistry in the Past Decade, by Liu Wei-ch'in, (DC-3321). CHINESE, per, Yao-hsueh T'ung-pao, Vol VII, No 9, 1959, pp 442-444.

\*JPRS

China's Achievements in Antibiotics Research and Production in the Past Decade, by Chang Wei-shen, (DC-3321).
CHINESE, per, Yao-hsueh T'ung-pao, Vol VII, No 9, 1959, pp 446-448.

\*JPRS

Achievements of the Pharmalogical Society of China in the Past Decade, (DC-3321). CHINESE, per Yao-hsueh T'ung-pao, Vol VII, No 10, 1950, who 489-491.

\*JPRS

China's Accessments in the Field of Pharmacy in the Past Decade, by Ho Mao-chih, Wang Hung-ch'en, (DC-3321).
CHINESE, per, Yao-hsueh T'ung-pao, Vol VII, No 10, 1959, pp 492-496.

"JPRS

Experiments on the Treatment of Malignant Tumors With 4 Derivatives of Ethylene-Imine-Quinone (Study on 260 Patients), by G. Mathe, 11 pp. FRENCH, manuscript, 7 pp.

Public Psychiatric Services Outside of Hospitals, by H. Duchene, 7 pp. FRENCH, rpt, Report Presented at the Congress of Psychiatry and Neurology in France, at Tours, 57th Session, Jun 8-13, 1959, pp 30-34.

NIH 12-29

Transfusion and Grafting of Marrowbone Cells in Man, by Georges Mathe. FRENCH, transcript of "Colloquium on Grafting," Belgium, 1959, pp 1-41.

#AEC

Some Words About the Concept of Schizophrenia in Psychiatric Nosography, by M. Leconte, 5 pp. FRENCH, per, Annales Med Psychologiques, Vol CXVI, No 2(3), 1958, pp 560, 561.

NIH 12-31

An Attempt to Treat AK Mice Suffering From Advanced Spontaneous Leukemia by X-Rays Followed by the Administration of Homologous Myeloid Cells, by G. Mathe, J. Bernard, ll pp. FRENCH, per, Bulletin du Cancer, Vol XLV, No 3, 1958, pp 289-300.

NIH 12-12

The Long Acting Androgens in Postamebic Rectocolitis, by J. Mauze, 4 pp.
FRENCH, per, Bull Soc Path Exot, Vol LI, 1958, pp 500, 501.

NIH 12-47

Early Cancerization of Mice by Injection of Preparations Containing Ribonucleic Acid From Homologous Tumors, by J. Huppert, F. Lacour, J. Lacour, J. Harel, 6 pp.
FRENCH, per, Comptes Rendus Acad des Sciences, Vol CCXLVIII, No 16, 1959, pp 350-1592.

NIH 12-10

Diagnosis and Clinical Pathological Classification of Thymic Tumors, by P. Galy, R. G. Touraine, Termet, 9 pp.
FRENCH, per, Journal Francais de Medicine et Chirurgie Thoraciques, Vol XII, No 4, 1958, pp 388-402.

Tumors of the Thymus; A Clinical Anatomical Classification, by Ch. Sors, J. Roujeau, 15 pp. FRENCH, per, Journal Francais de Medicine et Chirurgie Thoraciques, Vol XII, 1958, pp 469-484.

NIH 12-50

The Vascularisation of the Paget's Bone, by E. Rutishauser, R. Veyrat, C. Rouiller, 9 pp. FRENCH, per, Presse Medicale, Vol IXII, 1954, pp 654-657.

NIH 12-48

Grafting of Hematopoietic Cells, by G. Mathe, J. Bernard, 4 pp. FRENCH, per, Revue Française d'Etudes Cliniques et Biologiques, Vol III, No 9, 1958, pp 943, 944.

ABC SCL T-275

Transfusions and Grafting of Homologous Bone Marrow in Humans Who Have Been Accidentally Irradiated With High Dosages (of Radioactivity), by G. Mathe, H. Jammet, B. Pendic, et al, 24 pp. FRENCH, per, Revue Francaise d'Etudes Cliniques et Biologiques, Vol IV, No 3, 1959, pp 226-238.

AEC SCL T-280

An Attempt to Treat 1210 Grafted Leukemia With Irradiation Followed by Transfusion of Normal Hematopoietic Cells (Isologous or Homologous, Myeloid or Lymphoid, Adult or Embryonic), by G. Mathe, J. Bernard, 13 pp. FRENCH, per, Revue Française d'Etudes Cliniques et Biologiques, Vol IV, No 3, 1959, pp 442-466.

NIH 12-13

Pathogenesis and Anatomoclinical Forms of Genital Prolapse (Followed by a Quick Survey of the Problems Raised by Vaginal Prolapse), by J. Huguier, 4 pp. FRENCH, per, Revue de Praticien, Vol VIII, 1 Apr 1958, pp 1039-1064.

NIH 12-43

The Reversible Alteration of Adenosine Triphosphate As a Result of Radiation Effects, by K. Garay, G. Guba, 12 pp.
GERMAN, per, Acta Physiol Hung, Vol V, 1954, pp 393-399.

Concerning a Few New Materials Having Local Analgesic Effect and Remarks on the Theory of Local Analgesy, by K. Soehring, 3 pp. GERMAN, per, Archiv fuer Exper Pathol und Pharmak, Vol CCXII, 1950, pp 129-131.

Patent Office

On the Toxin Components of the Gas Gangrene Producer, Clostridium Welchii Type A, by E. Habermann, 31 pp.
GERMAN, per, Archiv fuer Exper Pathol und Pharmak, Vol CCXXXV, 1959, pp 513-533.

NTH 12-19

Experimental Bases for a Therapeutic Use of Lithospermum Officinale for Blocking of Anterior Pituitary Hormones, Rpt 1, by F. Kemper, 33 pp.
GERMAN, per, Arzneimittel-Forschung, Vol IX, 1959, pp 368-375.

NIH 12-44

Osteodystrophies of Renal Origin (A Study of the Skeletal Structure in 138 Cases of Renal Disease), 9 pp. GERMAN, per, Helv Med Acta, Vol XI, 1944, Part 1, pp 741-754; Part 2, pp 961-1010.

NIH 12-37

The Physiological Development of the "Immune Globulins" (Gamma and Beta<sub>2</sub> Globulins), by W. H. Hitzig, 15 pp.
GERMAN, per, Helv Paediatr Acta, Vol XII, 1957, pp 596-604.

NIH 12-6

Variations in the Mode of Resorption of Different Fats and Fatty Acids in the Rat, by P. Favarger, J. Gerlach, 5 pp. GERMAN, per, Helvetica Physiologica et Pharm Acta, Vol XI, 1953, pp 239-250.

NIH 12-40

Cancerogenic Effect of 4-Aminopropiophenom. After Feeding to Rats, by D. Schmahl, 3 pp. GERMAN, per, Naturwissenschaften, Vol XLIV, 1957, pp 564.

The Oxygen Sensitivity of the Agent of Experimental Mouse Leukemia, by A. Georgii, 3 pp. GERMAN, per, Maturvissenschaften, Vol XIV, 1958, pp 342, 3+3.

NIN 12-7

Myeloid Leukemia in the Mouse Through Cell-Free Filtrates From Leukemic Tissue of the Rat, by J. Gimmy, A. Graffi, 4 pp. GERMAN, per, Naturwissenschaften, Vol XLVI, No 6, 1959, p 210.

NIH 12-8

Congenital 24-Hour Periodicity in Chicks, by J. Aschoff, J. Meyer-Lohmann, 11 pp. GERMAN, per, Pfluger's Archiv, Vol CCIX, 1954, pp 170-176.

NIH 12-36

Changes in the Activity of Single Cortical Neurones in Acute Oxygen Deficiency and Their Relation to the EEG in Cats, by O. Creutzfeldt, A. Kasamtsu, A. Vaz-Ferreira, 4 pp. GERMAN, per, Pflugers Archiv, Vol CCIXIII, 1957, pp 647-667.

NIH 12-28

Treatment of Rhinitis of Early Childhood. Thermoelectric Studies on Decongestant Nasal Drugs, by P. Biesalski, K. Marquardt, 14 pp. GERMAN, per, Schweiz Med Wschr, Vol LXXXIX, 1959, pp 510-512.

NIH 12-38

Number of Casualties and the Damage Extent After the Atomic Bomb Attack on Hiroshima and Nagasaki, by Hubert Keim. GERMAN, per, Strahlentherapie, Vol CVIII, 1959, pp 594-601.

\*AEC

Eck Fistula in the Dog, With and Without Portal Collateral Circulation, by F. R. Lichtenheld, 8 pp.

GERMAN, per, Z fuer die Gesamte Experimentelle Medizin, Vol CXXX, 1959, pp 604-612.

The Metabolism of p-Aminobenzoic Acid, Folic Acid and Aminopterin in Enterococcus, by A. Wacker, M. Ebert, H. Kolm, 19 pp.	
GERMAN, per, Z fuer Naturforschung, Vol XIIIb, 1958, pp 141-147.	NIH 12-4
The Question of Graphite Pneumoconiosis, by F. Koelsch. GERMAN, per, Zentral Arbeitsmed u Arneitschutz, Vol VIII, 1958, pp 31-35.	*AEC
Postoperative Aneurysm of the Hepatic Artery, by G. Kuntscher, 4 pp. GERMAN, per, Zentralblatt fuer Chirurgie, Vol LXIV, 1937, pp 2694-2698.	NIH 12-45
Myocarditis From Mumps, by C. Manca, 20 pp. ITALIAN, per, Arch Ital Anat Istol Patol, Vol III, 1932, pp 707-717.	NIH 12-23
Metabolic Inhibitors and the Staircase Phenomenon Rpt 2, by A. Porro, 11 pp. ITALIAN, per, Arch Sci Biol, Vol XXXIX, 1955, pp 525-532.	NIH 12-2
Positive Inoculation With Filtrate of the Common Wart, by G. Ciuffo, 11 pp. ITALIAN, per, Giornale Italiano delle Malattie Veneree e della Pelle, Vol XIVIII, 1907, pp 12-17.	NIH 12-18.
Histological and Experimental Studies on the Condyloma Acuminatum, Papillomas of the Head, and the Common Wart, by A. Serra, 55 pp. ITALIAN, per, Giornale Italiano delle Malattie Veneree e della Pelle, Vol XLIX, 1908, pp 11-42.	NIH 12-24
Studies on the Virus of Verruca, Papilloma, and Acuminate Condyloma (Etiology, Pathogenesis, and Filtrability), by A. Serra, 17 pp. ITALIAN, per, Giornale Italiano delle Malattie Veneree e della Pelle, Vol LXV, 1924,	
pp 1808-1814.	NIH 12-25

Studies on Radioactive Barbiurates. Note I. Distribution of Luminal in the Animal Organism, by B. Aligrandi, R. Masironi, 6 pp.
ITALIAN, per, La Ricerca Scientifica, Vol XXVIII, No 8, 1958, pp 1611-1615.

NIH 12-32.

The Intradermal Reaction With Specific Antigen in Patients With Acuminate Condylomes, by C. Maderna, 21 pp.

TTALIAN, per, La Riforma Medica, Vol L, 1934, pp 1604-1611.

NIH 12-22

Complement Deviation in Patients With Acuminate Condylomas, by C. Maderna, 7 pp. ITALIAN, per, La Riforma Medica, Vol LI, 1935, pp 93, 94.

NIH 12-21

Discussion on the Cause of Minamata Disease From the Standpoint of Pathologie Studies, by T. Takeuchi, Rpt 3, 8 pp. JAPANESE, summary of Study of Minamata Disease, 20 Aug 1959, pp 5-8.

NIH 12-27

Iron Metabolism and the Reduction of Liver Catalase by Ethionine, by M. Tateiwa, S. Hoshikawa, 4 pp.

JAPANESE, per, Gann, Vol XLIX, Mar 1959, pp 108, 109. (Supplement).

NIH 12-3

The Epidemiology of Cancer of the Pancreas With Special Reference to the Etiologic Significance of Nutritional Change and Occupational Stress, by T. Hirayama, Y. Hamano, 4 pp.
JAPANESE, per, Gann, Vol XLIX, Mar 1959, pp 293, 294. (Supplement).

NIH 12-9

On the Method of Estimation of the Population Dose, Population, and Surface Area Covered by the Diffusion of Radioactive Cloud, by Y. Nishiwaki.

JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi, Vol I, No 1, 1959, pp 1-8.

\*AEC

Effects of Cold Weather Clothing on Skin Temperature Distribution During Exposure to Low Temperatures, by Tokio, Nei, C. Yoshimoto, T. Hayashi, G. Mori, E. Sakaushi, E. Assauma, K. Sakurada, M. Asada, 6 pp. JAPANESE, per, Teion Kagaku, No 14, 1956.

Meningitis Serosa. 1. General Considerations, by J. Strom, 7 pp. SWEDISH, per, Nordisk Medicin, Vol LV, 1956, p 857.

Something About Leukoses, by A. Hjarre, A. Isaksson, 22 pp.
SWEDISH, per, <u>Skandinaviska Kreatursforsakrings</u>
Bolaget, 1890-1950, pp 150-162.

ABC Warfare and the Children, by Bernt Blomquist, 22 pp.
SWEDISH, per, Svenska Lukartidningen, No 23, 5 Jun 1959, pp 1653.

Amer Meteorol Soc AF Cambridge Res Center

NIH 12-26

NIH 12-20.

Navy/ONI 5082510

Scientific Minerals/Metals

Electroplating With Alloys, by P. M. Vyacheslavov.

RESSIAN, bk, Gal'vanicheskive Pokrytiva Splavari, Moscow, 1959, pp 20-3.

\*ATIC MCL-464/III

Rolling of Stainless Steel (X17H2 Into a General Purpose Bar), by Ya. I. Astrov, et al.

RUSSIAN, bk, Obrabotka Metallov Davleniyem, No 5, Moscow, 1959, pp 62-71.

\*ATIC MCL-471/III

Effect of Chemical Composition, Initial Structure and Testing Conditions on Hot Brittleness of Steel, by G. I. Pogodin-Alekseyev, M. M. Fetisova, 22 pp. RUSSIAN, bk, Sovremennyye Splavy i Ikh Termicheskaya Obrabotka, Moscow, 1958, pp 23-29.

JPRS 2104-N

High-Temperature Gas Turbine Steels and Alloys, by F. F. Khimushin, 35 pp. RUSSIAN, bk, Sovremennyye Splavy i Tkh Termicheskaya Obrabotka, Moscow, 1958, pp 216-241.

JPRS 2104-N

Changes in the Surface Layer of a High-Temperature Alloy During Mechanical Working and Heating in an Oxidizing Medium, by V. G. Vorob'yev, 15 pp. RUSSIAN, bk, Sovremennyye Splavy i Ikh Termicheskaya Obrabotka, Moscow, 1958, pp 242-253.

JPRS 2104-N

Contribution to Problem of Crystallization Cracks During Welding of Austenite Steels and Alloys, by B. I. Medovar. RUSSIAN, per, Avtomat Svarka, No 8, (77), 1959, pp 57-66.

\*ATIC MCL-478/III

X-Ray Investigation of Structure Of Ferremagnetic Alloys Fe-Mo and Fe-Mo-Co, by I. N. Barutkin, B. Ya. Pines. RUSSIAN, per, Fiz Met i Metallov, Vol VI, No 5, 1958, pp 832-837.

\*ATIC MCL-466/III

Scientific Minerals/Metals (Contd)

The Structural Changes During Creep in a Nickel-Chromium Alloy, by G. Ya. Kozyrskiy, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1958, pp 90-92.

\*ABC

Austenite Grain Size in [18-8] Steel Alloyed With Small Amounts of Boron, by S. M. Vinarov.

MUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 7, 1958, pp 163-165.

HB 4677

New High-Speed Steel, 3 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 5, 1959, pp 83-89.

AID/SIR 3146

Vapor-Phase Deposited Metal Coatings on Induction-Heated Steel, by Yu. V Grdina, L. T. Gordeyeva.
RUSS AN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 7, 1959, pp 97-100.

HB 4766

Elimination of Nonmetallic Inclusions From Metals, by A. G. Spasskiy, N. S. Klyagina. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 3, 1959, pp 118-122.

HB 4714

B. Factors Determining the Amount of Mould Taper on Patterns; C. New Technological Methods in Studying the Fluidity of Metals and Formation of Shrinkage Cavities; E. Tryolite, An Effective Flux in Brass Smelting, 23 pp. EUSSIAN, per, Lit Proiz, Jan 1959, pp 27-48.

ACSI, H-6054

Investigation of Fatigue Under Repeated Impact, by N. N. Davidenkov, E. I. Belyayeva. RUSSIAN, per, Metal i Obra Metallov, No 11, 1956, pp 4-10.

HB 4719

The Effect of Fibre Orientation on the Fatigue Strength of Hardened Steel, by A. S. Shein, 15 pp.
RUSSIAN, per, Metal i Obra Metallov, No 12, 1957, pp 61-66.

Nat Res Council, Canada TT-833

Scientific	
Minerals/Metals	(Contd)

HIDGISTS/HECETS (CORON)	
Accelerated Recrystallization of Low-Carbon Steel, by G. K. L'vov. RESSIAR, per, Metal Termicheskaya Cora Metallov, No 4, 1959, pp 8-14.	an 4565
Cyclic Aging of High-Temperature Alloys of the [Nickelbase] EI 437 Type, by V. S. Ermakov. RUSSIAN. per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 14-19.	HB 4566
Kffect of Rolling at Sub-Zero Temperatures on Mechanical Properties of Austemitic Steels, by N. N. Lyulicheva, N. V. Pisareva. RUSSIAN, per, Metal Termicheskaya Cora Metallov, No 4, 1959, pp 19-22.	нв 4567
Effect of Alloy Content on Frictional Properties of Titanium, by I. S. Kaptyug, V. I. Syshchikov. RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 22-27.	нв 4568
Rela on Between Structure of Steel and Its Yield Point Elongation, by G. T. Nazarenko. RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 27-33.	HB 4569
Chromizing and Boronizing of Steel With Induction Heating, by A. N. Minkevich, G. N. Ulybin. RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 48-51.	нв 4573
Effect of Austempering on the Wear Resistance of Carbon Steel, by A. A. Soroko-Novitskaya. RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 4, 1959, pp 52, 53.	нв 4574
Brittleness of High-Strength Nodular Cast Iron, by A. A Zhukov. RUSSIAN, per, Metal Termicheskaya Cora Metallov, No 4, 1959, pp 53-55.	EB 4575

Scientific Minerals/Metals (Contd)

Hydrogen Content and Flakes in Heavy Steel Sections, by D. Ya. Povolotskiy, A. N. Morozov.

MCCSIAN, per, Mauch Dok Vysshey Sakoly Metallurg, No 1, Jan/Feb 1959, pp 37-41.

HB 4628

Variation of Oxide Inclusion Content During the Various Stages of Openhearth Steel Moking, by S. I. Levin, I. P. Kazachkov.
RUSSIAN, per, Nauch Dok Vyashdy Shkoly,
Metallurg, No 2, Apr/Jun 1959, pp 43-47.

HB 4695

Mechanical Properties of Strain-Hardened 18-8 Type Steels at Subzero Temperatures, by N. N. Lyulicheva, N. V. Pisareva. RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg, No 2, Apr/Jun 1959, pp 217-220.

HB 4690

Effect of Sulfurizing on Wear of Antifriction Malleable Cast Iron, by Ya. F. Lifshits. RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg, No 2, Apr/Jun 1959, pp 221-223.

HB 4712

Mechanism of Flake Formation in Steel, by V. F. Loshkarev. RUSSIAN, per, Stal', Vol XVI, No 8, 1956, pp 734-737.

HB 4764

Status and Perspectives in the Development of Spot and Roller Welding of Light Alloy Weldments, by B. D. Orlov, P. L. Chukoshnikov, 15 pp.

RUSSIAN, per, Svarochnoye Proiz, No 7, 1959, pp 16-19.

JPRS 2104-N

Metal Ceramics From Iron and Steel, by S. A. Tsukerman.

RUSSIAN, per, Vest Ak Nauk SSSR, No 9, 1959, pp 42-46.

\*ATIC MCL-469/III

The Colorimetric Determination of Small Quantities of Aluminum in Chromium-Nickel and Magnesium Alloys, by V. I. Kuznetsov, R. B. Golubtsova, 8 pp.
RUSSIAN, per, Zavod Lab, Vol XXII, 1956, pp 161, 162.

Nat Res Council, Canada TT 836 Scientific Minerals/Metals (Contd)

Ten Years' Development of Matallurgical Research and Technology in Communist China, by Li Hsun, 16 pp. CHINESE, per, K'o-hsuch T'ung-pao, No 19, Peiping, Oct 1959, pp 637-641.

JPRS 1121-D

Determination of Indole Derivatives in Plant Material. I. Colorimetric Determination of Ascorbigen (L-Ascorbic Acid) and Its Content in Certain Types of Vegetables, by Miloslav Valenta, Milan Kutacek, Frantisek Ichta, 11 pp.

CZECH, per, Sbornik Ceskoslov Ak Zemedel Ved, Rostlinnavyrobs, Vol II, 1956, pp 193-202.

AEC Tr 3803

The Problem of the Quality of Steels Intended for Aircraft Construction, by A. Rabey. FRENCH, per, <u>Docaero</u>, No 52, 1958, pp 17-24.

TIL T 4975

Behavior of Iron Ores During Sintering. Part I, by W. vor dem Esche, O. Steinhauer. GERMAN, per, <u>Archiv Eisenhuttenwesen</u>, Vol XXX, No 4, 1959, pp 187-195.

HB 4697

New Aluminium for Brightening, by R. Lattey. GERMAN, per, <u>Industrie-Anzeiger</u>, Vol LXXXI, No 50, 1959, p 18.

\*AEC

Hafnium-Carbide-Containing Hard Metals, by R. Kieffer, F. Benesovsky, K. Messmer. GERMAN, per, Metallwissenschaft und Technik, Vol XIII, No 10, 1959, pp 919-922.

HB 4722

Influences of the Sintering Behavior of Tungsten, by J. Vacek, 12 pp.
GERMAN, per, Planssberichte fuer Pulvermetallurgie, Vol VII, No 1, 1959, pp 16, 17.

AEC Tr 3822

Concerning the Solubility of Oxygen in Tantalum and the Related Property Changes, by Erich Gebhardt, ans Preisendanz, 30 pp. GERMAN, per, Z Metallkunde, Vol XLVI, 1955, pp. 560-568.

AEC Tr 3873

Scientific Minerals/Metals (Contd)

Investigations in the Tantalum-Oxygen System. 1. Concerning the Mechanism of Oxygen Uptake at High Temperatures, by Erich Gebhardt, Hans-Dieter Seghezzi, 28 pp.
GERMAN, per, Z Metallkunde, Vol L, 1959, pp 248-257.

AEC Tr 3872

Self-Diffusion on the Surface of Copper, by E. Menzel. GERMAN, per, Z fuer Physik, Vol CXXXII, 1952, pp 508-528.

RAE 831

Some Aspects of the Vacuum Hot Pressing of High Grade Beryllia, by K. Kida, M. Abe, S. Nishigaki, S. Imura. JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi, Vol I, No 4, 1959, pp 259-271.

\*AEC

Study of the Reduction of Magnetite ['Iron Sand'] in Double Fluidized Beds, by M.
Tanaka, et al.
JAPANESE, per, Tetsu to Hagane, Vol XIV,
No 5, 1959, pp 177, 178.

HB 4710

Carbides, Silicides, Borides, Nitrides and Sulfides of Rare Metals and Their Application in a New Technology, by G. V. Samsonov, 17 pp. UKRAINIAN, per, Visnyk Ak Nauk Ukrain SSR, No 6, 1959, pp 27-37.

JPRS 2104-N

## Scientific Nuclear Physics

Atlas of Gamma-Ray Spectra From Radiometive Capture of Thermal Neutrons, by L. V. Groshev, A. M. Damidov, D. L. Intsenko, V. I. Pelekhov. RUSSIAN, bk, 200 pp.

The Effects of Neutron Irradiation on the Structure and Properties of Ferrite-Perlite Steels, by V. S. Lyashenko. RUSSIAN, per, Atom Energ, Vol VI, No 3, 1959, pp 277-280.

Radiant Heat Transfer in a Flowing Radiation Medium, by V. M. Andryanov, S. N. Shorin. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1958, pp 46-53.

Cyclotron With Spatial Variations in the Intensity of the Magnetic Field, by D. P. Vasilevskaya, A. A. Glazov, et al. RUSSIAN, per, Joint Inst for Nuclear Research, Dubna, USSR, Lab of Nuclear Problems, 1959, 39 pp.

Formation of the Axially-Symmetric Magnetic Field, by V. I. Danilov, N. L. Zaplatin, V. S. Rybalko, L. A. Sarkisyan. RUSSIAN, per, Joint Inst for Nuclear Research, Dubna, USSR, Lab of Nuclear Problems, 1959, 29 pp.

Formation of Magnetic Field of a Cyclotron With Spatial Variations, by V. I. Danilov, V. P. Dmitryevskiy, et al. RUSSIAN, per, Joint Inst for Nuclear Research, Dubna, USSR, Lab of Nuclear Problems, 1959, 27 pp.

A High Vacuum Radioactive Ionization Manameter, by A. I. Akishin. RUSSIAN, per, <u>Prib i Tekh Eksper</u>, No 2, 1959, pp 78-80. PP

\*AEC

\*AEC

\*AEC

\*AEC

\*AEC

\*AEC

Scientific
Nuclear Physics (Contd)

The Spatial Structure of the Atomic Nucleus, by Ya. A. Smorodinskiy, 19 pp. RUSSIAN, per, Priroda, No 6, 1959, pp 3-12.

UBASIA SC-48e/59

The Vibration-Inertia Mill, by S. M. Dal'nov, 7 pp. RUSSIAN, per, Vest Ak Nauk Kazakh SSR, Vol XIV, No 12, 1958, pp 71-75.

AERE Tr 833

The Tenth Trans-Uranium Element, by V. I. Gol'danskiy, 17 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 1, 1959, pp 52-58.

ABC/UCRL Tr 492

An Apparatus for Calibration of Tungsten-Molybdenum Thermoccouples, by S. K. Danishevskiy, 19 pp.
RUSSIAN, per, Zavod Lab, Vol XXII, 1956, pp 1235-1240.

AEC Tr 3829

China's Achievements in Nuclear Science in the Past Decade, (DC-3316). CHINESE, per, K'o-hsueh Hsin-wen, No 30, Peiping, 1959, pp 1-3.

\*JPRS

Communist China Makes Great Strides in the Peaceful Utilization of Atomic Energy, by Ch'ien San-ch'iang, 8 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 19, Peiping, Oct 1959, pp 627-629.

JPRS 1105-D

Isotope Separation of Uranium, by C. Frejseques. FRENCH, per, Energie Nucleaire, Vol I, No 5, Sep/Oct 1959, pp 217-221.

Navy 2402/ONI 642

Special Committee on Radioactivity.
GERMAN, bk, Sonderausschuss Radioaktivitat,
Jan 1958.

\*ACSI, H-6024

Radiation Protection by Film Badge for Personnel Working With Radioactive Material, by H. Langendorf, F Wachsmann, 14 pp. GERMAN, per, <u>Atomkernenergie</u>, Vol III, 1958, pp 60-64.

AERE Tr 830

Scientific
Nuclear Physics (Contd)

Dosimetry With Ionization Chambers, by H. H. Neumann.

OEMAN, per, Atcoprarie, Vol III, 1957, pp 362-368.

-ARC

Technical Possibilities' for Radiation Monitoring in Gases With Ionization Chambers, by H. Bohm.

GERMAN, per, Atompraxis, Vol III, 1957, pp 369-372.

\*AEC

Precipitation of Radioactive Aerosols With Fiber Filters, by W. Zumach. GERMAN, per, Atompraxis, Vol III, 1957, pp 377-382.

FAEC

Consideration on the Measurement and Monitoring of Radioactivity in Water, by A. Pfau. GERMAN, per, Atompraxis, Vol III, 1957, pp 389-398.

\*AEC

Mechanism of (n,2n) Reaction in Be9 and Differential Cross Section for  $\psi=90^{\circ}$  at a Neutron Energy of 3.7 Mev, by P. Huber, R. Wagner.

GERMAN, per, Helv Phys Acta, Vol XXX, 1957, pp 257-260.

\*AEC

Reactor Oscillator for Determining Macroscopic Absorption Cross-Sections for Thermal Neutrons, by T. Hurlimann, P. Schmid, H. Winkler. GERMAN, per, Z fuer Angew Math und Physik, Vol X, 1959, pp 438-441.

\*AEC

Toxicology of Uranium, by C. Garavaglia, 14 pp. ITALIAN, per, Energia Nucleare, Vol VI, 1959, pp 141-146.

AEC Tr 3843

The Time-Dependent Changes of Operation Conditions of a Thorium Homogeneous Power Reactor Before the Steady State, by A. Oyama, R. Kiyose.

IAPANESE per Nibon-Censhirmoky-Cekkai Shi

JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi, Vol I, No 1, 1959, pp 64-69.

\*AEC

Scientific Nuclear Physics (Contd)

Studies of Deuterium Plasma in Heavy Current Linear Pulse Discharges, by K. Nishiguchi, H. Maruo, Y. Arata, M. Ckado. JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi, Vol I, No 2, 1959, pp 115-122.

\*AEC

On the Construction of the Tokai Laboratory of the Japan Atomic Research Institute, by M. Omura, S. Nakamura, H. Oike, H. Nomi. JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi, Vol I, No 2, 1959, pp 143-166.

\*AEC

Indium-Gallium Radiation Circuit of the Nuclear Reactor Irt, by A. Kh. Breger, Yu. S. Ryabukhin, S. G. Tul'kes, E. N. Volkov, 15 pp. POLISH, paper SW/I/80 of the International Conference on the Application of High Energy Sources of Radiation, (Indii-Gallievyi Radiatsionnyi Kontur Yadernogo Reaktora IRT), Warsaw, 8-12 Sep 1959.

\*AEC

The Problem of Radiation Influence of Solid Bodies, by K. Lintner, E. Schmid, 38 pp. POLISH, per, <u>Nukleonik</u>, Vol I, 1958, pp 29-40.

AEC SCL T-271

## Scientific Physics

Effect of Individual Alloying Klements on Heat Resistance, by P. B. Mikhaylov-Mikheyev. RURSIAN, bk, Metall Gasovykh Turbin, 1958, pp 135-176.

\*ATIC NCL-481/III

Some Characteristics of Induction Gas Discharge, by E. D. Andryukhina, S. E. Grebenshchikov, M. S. Radinovich, M. D. Raizer, A. Ya. Safronov, I. S. Shpigel.
RUSSIAN, bk, Nekotorye Osobennosti Induktsion-nykh Gazovykh Razriadov, 1959.

\*AEC

Introduction to Quantum Electrodynamics, by A. A. Sokolov.

RUSSIAN, bk, Voyedeniye v Kvantovuyu Electrodina...
miku, Moscow, 1958, 534 pp.

\*AEC

Green's Function in the Boltzmann Equation for Neutrons, by Khr. Ya. Khristov, 7 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI, 1956, pp 981-984.

AERE Tr-831

An Approximate Expression for Green's Function in the Bolyzmann Equation for Neutrons, by Khr. Ya. Khristov, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI, 1956, pp 1197-1200.

ARRE Tr-832

Distortion of the Graphite Structure During Mechanical Dispersion, by L. A. Feigin. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 2, 1959, pp 313-315.

\*AEC

On the Problem of Determination of Diffusion Coefficient in the Flastic Deformation of Solid, by Yu. P. Romashkin, 12 pp.
RUSSIAN, per, Fiz Metal i Metalloyed, Ak Nauk
SSSR, Ural' Filial, Vol VII, 1959, pp 825-831.

AEC Tr-3863

Dielectric Polarization of a Series of Compounds of Complex Composition, by G. A. Smolenskiy, A. I. Agranovskaya.

RUSSIAN, per, Fiz Tverdogo Tela, Vol I, No 10, 1959, pp 1562-1572.

\*ATIC MCL-472/III

Piezoelectric Solid Solutions of Substitution With Subtraction, by G. A. Saolenskiy, V. A. Tsupov, A. I. Agranovskaya.

RUSSIAN, per, Fiz Tverdogo Tela, Vol I, No 10, 1959, pp 1573-1582.

\*ATIC MCL-472/III

Spectroscopic Studies of Uranyl Compounds, by A. N. Sevchenko, et al. RUSSIAN, per, <u>Inzhenerno-Piz Zhur</u>, Vol II, No 2, 1959, pp 63-71.

#ARC

The Motion of Solid Particles in a Gas Suspension, by G. N. Khydyakov, 23 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1953, pp 1022-1033.

AEC NP Tr-297

Small Vibrations of Thin Flastic Comical Shells, by E. I. Grigolyuk.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,

No 6, 1956, pp 35-44.

\*AEC

Plasma Measurements, 3 pp.
RUSSIAN, per, <u>Iz Ak Nauk SSSR, Ser Fiz</u>, Vol
XXIII, No 8, 1959, pp 948-951.

AID/SIR-3155

Determination of Deformation Characteristics From Creep and Relaxation Curves, by I. A. Oding, G. F. Lepin.

RUSSIAN, per, Metal i Termich Obra Metallov, No 4, 1959, pp 8-14.

HB 4564

Interaction of Phenomena of Creep and Relaxation of Stresses, by I. A. Oding, G. F. Lepin. RUSSIAN, per, Metal i Termich Obra Metallov, No 9, 1959, pp 2-8.

\*ATIC MCL-468/III

Optical Properties of Uranium Hexafluoride. I. Absorption Spectra in the Visible and Neighboring Ultraviolet Region, by G. D. Sheremetyev, 13 pp. RUSSIAN, per, Optika i Spektro, Vol I, 1956, pp 181-189.

AEC GAT-Z-4077

Counting of Fission Fragments and Heavy Charged Particles by Means of Thin Scintillation Films, by V. M. Gorbachev, M. I. Kazarinova, 13 pp. RUSSIAN, per, Pribory i Tekh Eksper, No 4, 1957, pp 20-24.

AEC Tr-3860

On the Theory of Oscillations of Elastic Bodies With Liquid Cavities, by N. N. Moiseyev, 28 pp. RUSSIAN, per, Prik Matemat i Mekh, Vol XXIII, No 5, 1959, pp 862-878.

ACSI, H-5338

Effect of Temperature of Antenna and Mixer Upon Coefficient of Noise of Centimeter Range, by I. V. Shavlovskiy.
RUSSIAN, per, Radiotekhnika, Vol XIV, No 7, 1959, pp 56-62.

\*ATIC MCL-463/V

Comparison of Methods of Radar Reception From Standpoint of Information Theory, by F. P. Tarasenko.

RUSSIAN, per, Radiotekhnika, Vol XIV, No 7, 1959, pp 63-70.

\*ATIC MCL-463/V

Influence of Instrumental Effects on Measurement of Magnetic Fields on Sub by Means of a Modulation Spectrophotometer, by A. Ye. Veller.

RUSSIAN, per, Trudy Nauch-Issled Inst Zemnogo Magnet, No 11 (21), 1957, pp 162-173.

\*ATIC MCL-486/III

A Note on Natural Neutron Activity of Arsenic and Antimony, by V. I. Baranovskiy, O. V. Larionov, M. K. Nikitin, A. A. Tkachenko, 3 pp. RUSSIAN, per, Vest Lenin U, Ser Fiz i Khim, No 2, 1959, pp 25, 26.

AEC Tr 3869

Industrial Applications of Quantitative Spectral Analysis of Inert Gases, 3 pp. RUSSIAN, per, Vest Lenin U, Ser Piz 1 Khim, No 3, 1959, pp 19-24.

AF 1256277

Spectrographic Analysis of Rare Earth Blements, by P. M. Polyakov, A. K. Rusanov, (NY-3414). RUSSIAN, per, Zavod Lab, Vol XXIII, No 5, Moseow, 1957, pp 564-569.

\*JPRS

Spectral Analysis by the Evaporation Method, (Review), by L. V. Kipis, 18 pp. RUSSIAN, per, Zavod Lab, Vol XXIV, 1958, pp 736-745.

ARRE Tr-829

Exchange Collisions of Fast Nucleons With Deuterons, Fart I, by I. Ya. Pomeranchuk, 13 pp.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXI, 1951, pp 1113-1122.

UCRL Tr-485

Mean Number of Neutrons Emitted During Th<sup>299</sup> Fission by Thermal Neutrons, by V. I. Lebedev, V. I. Kalashnikova, 4 pp. RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXV, 1958, pp 535, 536.

AEC Tr-3861

Flux of Heavy Nuclei in Primary Cosmic Radiation at Geomagnetic Latitude 31 Degrees N, 3 pp.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII, No 2 (8), 1959, pp 380-388.

AID/SIR-3150

The Elasticity of Crystals Near the Melting Point, by G. M. Bartenev, 8 pp. RUSSIAN, per, Zhur Fiz Khim, Vol XXIV, No 12, 1950, pp 1437-1441.

Amer Meteorol Soc AF Cambridge Res Center

Effect of Temperature on the Absorption Spectra of Electrolytic Solutions, by S. V. Gorbachev, P. A. Zagorets, 8 pp. RUSSIAN, per, Zhur Fiz Khim, Vol XXIX, 1955, pp 1549-1554.

AEC Tr-3856

Maxima of Thermodynamic Properties and the Transition of Gas to Liquid in the Supracritical Region, by M. G. Kagnner, 20 pp. RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 332-339.

Wat Res Council, Canada TT-834

Some Relationships in Heat Transfer to Boiling Mercury in Forced Convection, by M. A. Styrikovich, I. E. Semenovker, 21 pp. RUSSIAN, per, Zhur Tekh Fiz, Vol X, 1940, pp 1331-1339.

AEC Tr 3868

The Meaning of Increase of Entropy in the Analysis of Heat Processes, by D. P. Gokhahtein, 31 pp.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXI, 1951, pp 1121-1136.

AEC Tr 3838

A Study of the Temperature Field in Moist Materials During Drying (Constant Rate Period), by F. M. Polonskaya.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXIII, No 5, 1953, pp 796-801.

ATS RJ-1969

Heat and Mass Transfer During the Constant Rate Period of Drying, by F. M. Polonskaya. RUSSIAN, per, Zhur Tekh Fiz, Vol XXIII, No 5, 1953, pp 802-805.

ATS RJ-1970

Forces Causing the Shrinking of Gels During Drying, by M. S. Ostrykau, et al. BELORUSSIAN, per, Vesti Ak Navuk Belaruskay SSR, Ser Fiz-Tekh Navuk, No 4, 1956, pp 119-131.

ATS WJ-1971

Scientific and Technological News, by Hu
Tsu-hua, (NY-3403).
CHINESE, per, Hua-hsueh Hsin-wen, No 34, Peiping,
28 Oct 1959, pp 10-14.

\*JPRS

China's Progress in Physics, by Chou P'ei-yuan, (DC-3316). CHINESE, per, K'o-hsueh Hsin-wen, No 30, Peiping, 1959, pp 4-8.

\*JPRS

Spectrographic Observation of High-Intensity Discharges, by C. Breton, J. Charon, P. Rubert, P. Tvon.

FHENCH, paper, Observation Spectrographique de Decharges a Forte Intensite, Third International Congress on the Ionization Phenomena in Gases, Venice, 1957.

Production and Study of High-Intensity Discharges, by C Breton, J. Charon, P. Hubert, et al.

FRENCH, paper, Production et Etude de Decharges a Forte Intenstie, Third International Congress on the Ionization Phenoma in Gases, Venice, 11-15 Jun 1957.

Additional Note on the Study of Waves in a Plasma Relationship Between Electromagnetic Waves and Those Called Hydromagnetic, by T. Conscli. 3 pp.

FRENCH, per, Commissariat a l'Energie Atomique, 1958, 2 pp.

Optical Method for the Instantaneous Measurement of the Temperature of Flames, by A. Moutet, C. Vdret, L. Nadaud. FRENCH, per, Recherche Aeronautic, Vol LXVIII, 1959, pp 9-19.

Kinetics of the Diffusion of Radioactive Rare Gases From Solid Substances After Irradiation. Rare Gas Diffusion in Solids 2, by W. Inthoff, K. E. Zimen, 12 pp. GERMAN, rpt, Trans Chalmers Univ Technol Gothenberg, No 176, 1956.

Application of the Elliptic Functions in Physics and Technology, by F. Oberhettinger, W. Magnus.
GERMAN, bk, Anwendung der Elliptischen Punktionen in Physik und Technik, 1949, pp 50-65.

\*AEC

\*ABC

ABC Tr 3672

**\*AEC** 

ABC Tr 3289

\*AEC

Theory of the Passage of Fast Corpuscular Rays Through Matter, by H. Bethe, 69 pp. GERMAN, per, Annales der Physik, Vol V, 1930, pp 325-400.

Amer Meteorol Soc AF Combridge Res Center

On Diffusion, by Adolf Fick.

GERMAN, per, Annaten der Physik u. Chemie
(Poggendorf), Vol XCIV, Ser 2, 185), pr 59-86.

\*AEC

A Method for the Measurement of the Flow Rate of Gases Independent of Their Density and Viscosity, by Johannes Krutzsch, 7 pp. GERMAN, per, Chemiker Zeitung, Vol LXXXII, 1958, pp 836-838.

ARRE Tr 837

The History of the "Rontgen" and the Possibilities of Its Further Development, by H. Holthusen, 14 pp.

GERMAN, per, Fortschr Gebiete Rontgenstrahlen
u Nuklearmed, Vol LXXXIX, 1958, pp 746-752.

Nat Res Council, Canada TT-820

Fundamental Problems of X-Ray Dosimetry, by R. Glocker, 19 pp.
GERMAN, per, Fortschr Gebiete Rontgenstrahlen
u Nuklearmed, Vol XC, 1959, pp 101-109.

Nat Res Council, Canada TT-823

High Resolution A-Spectrometer of a New Design, by H. Wild, O. Huber, 34 pp. GERMAN, per, Helv Phys Acta, Vol XXX, 1957, pp. 3-32.

AEC Tr-3828

Chlorine-36 in Meteorites, by C. Gfeller, W. Herr, et al. GERMAN, per, Helv Phys Acta, Vol XXXII, 1959, pp 277-279.

\*AEC

Isotope Analyses of Osmium From Iron Meteorites and From Terrestial Sources, by W. Herr, E. Merz, et al. GERMAN, per, Helv Phys Acta, Vol XXXII, 1959, pp 282-284.

\*AEC

The Connection Between Partial and Common Diffusion Coefficients in Metallic Mixed Crystals, by Theo Heumann, 2 pp. GERMAN, per, Naturwissenschaften, Vol XL, 1953, p 164.

AERE Tr-11/3/5/398

The Influence of Anharmonicity on the Properties of Crystals, by W. Ludwig, 50 pp. ORRMAN, per, Phys and Chem Solids, Vol IV, 1958, pp 283-305.

Mat Res Council, Canada TT-831

Theory of the Stark Effect in a Field Varying With Time, by D. Blokhintsev. GERMAN, per, Physik Z.der Sowjetunion, Vol IV, 1933, pp 501-515.

\*AEC

Some Physicochemical Considerations Concerning the Elimination of Radioactive Metals by Means of Complex Producers, by Hans Jorg Heller, Alexander Catsch, 31 pp.
GERMAN, per, Strahlentherapie, Vol CIX, 1959, pp 464-482.

AEC Tr 3854

The Formation of Self-Targets for the Nuclear Reaction D(d,n) He<sup>3</sup> and Its Connection With the Problem of Hydrogen Diffusion in Metals, by F. Fiebiger.

GERMAN, per, Z fuer Angew Physik, Vol IX, 1957, pp 213-223.

\*AEC

The Separation Nozzle. II. The Physical Bases and the Specific Magnitudes of the Expenditures of the Process, by E. W. Becker, W. Beyrich, K. Bier, H. Burghoff, F. Zigan, 31 pp.
GERMAN, per, Z Naturforsch, Vol XIIa, 1957, pp 509-621.

AEC Tr 3839

Quantum Mechanics of Collision Phenomena, by M. Born, 26 pp. GERMAN, per, Z fuer Physik, Vol XXXVIII, 1926, pp 803-827.

Amer Meteorol Soc AF Cambridge Res Center

The Discharge Forms in the Cylindrical Counting Tube, by Sven Werner.

GERMAN, per, Z fuer Physik, Vol XC, 1934, pp 384-402.

\*AEC

The Pressure Dependence of Column Ionisation by  $\propto$  Rays, by E. Helbig, 15 pp. GERMAN, per, Z fuer Physik, Vol CVI, 1940, pp 444-453.

AERE Tr-11/3/5/1198

Temperature Dependence of the Optical Constants of Copper, Silver, and Gold Down to 20°K, by G. Joos, A. Klopfer. GERMAN, per, Z fuer Physik, Vol CXXXVIII, 1954, pp 251-265.

\*ASC

Studies on Thermoelements From the Rhenium-Iridium System, by G. Haase, G. Schneider, 7 pp.
GERMAN, per, Z fuer Physik, Vol CXLIV, 1956, pp 256-262.

AEC Tr 3835

On the Preparation of Suspensions for the Ultraelectron Microscope in the Ultrasonic Mist, by H. Kehler, A. Koch, K. Tesser, 7 pp. GERMAN, per, Z fuer Wissenschaft Mikroskopie und Mikroskopische Tech, Vol LXII, 1954/1955, pp 521-524.

AEC SCL T-273

The Determination of Nitrogen in Nitrocellulose by a Photometric Method, by Tetsuro Murakami, Eizen Ishii, 6 pp. JAPANESE, per, Bunseki Kagaku, Vol VIII, 1959, pp 257-259.

AEC Tr 3866

Quantitative Study of the Metamorphism of Snow Crystals by Sublimation, by Zyungo Yoshida, 10 pp.

JAPANESE, per, Teion Kagaku, Vol XIII, 1954, pp 11-28.

Amer Meteorol Soc AF Cambridge Res Center

## Scientific Space Research

The Motion of an Artificial Earth Satellite Relative to Its Centre of Mass, by V. V. Beletskiy.

RUSSIAN, per, Iskusstevennye Sputniki Zemli, 1958, pp 25-43.

RAE 824

Detection in the Upper Atmosphere of Electrons With Energies of About 10 KEV by Means of the Third Sputnik, by V. I. Krasevskiy, I. S. Shklovskiy, Yu. I. Galperin, E. M. Svetlitskiy. RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 8, 1959, pp 1157-1163.

\*Navy/NRL

Mars and Venus Are Next Targets, 6 pp. RUSSIAN, np, Krasnaya Zvezda, 9 Oct 1959, p 4.

AF 1256258

Higher and Higher. The Flight of the Second Soviet Cosmic Rocket, 5 pp. RUSSIAN, np. Pravda, 14 Sep 1959. 9044795

AF 1256104

Cabin of a Space Rocket, 5 pp.
RUSSIAN, ap, Sovet Aviatsiya, 12 Sep 1959, p 4.

AF 1256225

The Routes From Earth to Moon, 5 pp. RUSSIAN, np, Sovet Aviatsiya, 16 Oct 1959, p 3.

AF 1256287

Radioelectronics and the Study of Outer Space, 3 pp.
RUSSIAN, np, Sovet Flot, 25 Sep 1959, p 4.

AF 1256272

Getting Ready for Outer Space, 4 pp. RUSSIAN, per, Sovet Soyuz, No 10, 1959, pp 12-14.

AF 1.256248

High-Altitude Rocket Investigations of the Composition of the Atmosphere, by B. A. Mirtov, 26 pp.
RUSSIAN, per, Uspekh Fiz Nauk, Vol LXIII, 1957, pp 181-196.

Amer Meteorol Soc AF Cambridge Res Center Scientific Space Research (Contd)

Study of the Upper Layers of the Atmosphere by High-Altitude P kets, by A. A. Rlagonravov, 10 pp.
RUSSIAN, per, Vest Ak Nauk SSS., No 6, 1957,

pp 25-32.

Amer Meteorol Soc AF Cambridge Res Center

A New Satellite Cemerc, 5 pp. GERMAN, per, Bild und Ton, No 6, 1959, pp 176, 177.

USASIA SC-62/59

The Significance of Artificial Earth Satellites in the Exploration of the Upper Atmospheric Layers, by L. Klinker, 9 pp. GERMAN, per, Radio und Fernsehen, Vol VII, No 24, Dec 1958, pp 717-719.

USASIA SC-30/59

Rockets in the Past, Present and Future, Part I, by H. A. Vilter, 10 pp. GERMAN, per, Die Technik, Vol XIV, No 5, 1959, pp 333-336.

USASIA SC-8/59

Artificial Earth Satellites and Cosmic Orbital Rockets, by U. Guentzel-Lingner, 13 pp. GERMAN, per, Die Technik, Vol XIV, No 5, 1959, pp 337-341.

USASIA SC-8/59

The Exploration of the Upper Atmosphere, by E. A. Lauter, 13 pp. GERMAN, per, Wissenschaft und Fortschritt, Vol VI, 1958, pp 225-228.

USASIA SC-10/59

Concerning Artificial Satellite Observations, by Seiji Ito, 5 pp.

JAPANESE, per, Temmon to Kisho, Vol XXIII,
No 12, 1957, pp 2-4.

Amer Meteorol Soc AF Cambridge Res Center

Application of Artificial Satellites for Military Purposes, by Mihailo Velimirovie, 8 pp. 8 pp. SERBO-GROATIAN, per, Vazduhoplovni Glasnik, No 4, 1958, pp 428-435.

AF 1256348

From the Committee for Lenin Prizes in the Field of Science and Engineering of the Council of Minister USSR, (DC-3287).

RUSSIAN, np, Izvestiya, Moscow, 19 Dec 1959, pp 3, 4.

\*JPRS

. 3.

Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, 53 pp.
RUSSIAN, per, Knizh Letopis, No 11-14, 1959, pp 114-124.

JPRS L-1986-D

A. For a Better Organization in Scientific Research and Structural Design Work, 4 pp. RUSSIAN, per, <u>Lit Proiz</u>, Jan 1959, p 1.

ACSI, H-6054

Concerning Scientific Research Work in the Institutes of the Czechoslovakian Republic, by L. N. Yakhontov, V. V. Kolpakova, Yu. N. Sheynker, T. D. Pervacheva, (NY-3469). RUSSIAN, per, Med Prom SSSR, No 12, 1959, pp 52-55.

\*JPRS

In the Presidium of the Academy of Sciences of the USSR, 4 pp. RUSSIAN, np, Prayda.

Amer Meteorol Soc AF Cambridge Res Center

Eighth Mendeleyev Congress, by N. M. Zhavoronkov, 13 pp.
RUSSIAN, per, Vest Ak Neak SSSR, No 6, 1959, pp 26-34.

JPRS 2146-N

Scientific Ties Between Two Academies, by I. N. Kiselev, 9 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 9, 1959, pp 50-55.

JPRS 2139-N

An Example of Scient'fic Cooperation, by P. A. Rebinder, Ye. D. Shchukin, (DC-3326). RUSSIAN, per, <u>Vest Ak Nauk SSSR</u>, No 10, 1959, pp 60-63.

\*JPRS

Scientific Miscellaneous (Contd)

Problems of Word-Order in Russian-Chinese Machine Translation and Their Solutions, by Liu Yung-ch'uen, (DC-3901/11). CHINESE, per, Yu-yen Yen-chiu, No 4, Peiping, 1959, pp 107-116.

\*JPRS

From the Life of the Hungarian Academy of Sciences, (DC-3358). HUNGARIAN, per, Magyar Todumany, No 5, 1959, pp 249-252.

\*JPRS

## AUTHOR INDEX

- B -86 Babayeva, A. Y. 154 Abe, M. 137 Babenko, L. V. Abkin, A. D. 103 108 Bakhareva, M. F. 85 Abramov, V. S. 138, 139 Bakulev, A. Abrihan, T. 39 Balandin, A. A. 91 159, 160 Agranovskaya, A. I. 41, 42 Balanescu, Emil 155 Akishin, A. I. 29 Balazsy, Sandor 117 Aksel'rod, S. M. 118 117, Ballander, S. V. 99 Albrecht, M. 106 125 Baluyev, V. K. Alekhina, L. S. 140 Banilov, A. I. 124 Aleksandrov, E. L. 80 Barabashov, M. P. Aleksandrov, I. 11 83 Barakina, N. F. 41 Alex Baramboim, N. K. 91 37 Alexandrescu, V. 161 50 Baranovskiy, V. I. al-Hajj, Aziz 3 Aliprandi, B. 147 Barotitskaya, F. I. 162 Bartenev, G. M. 74 Alvarez, S. J. Juan 33 Bartoszewicz, Stanislaw 140 Amanzhulov, S. A. 149 Barutkin, I. N. Andras, Biro Andrei, Vilhelem 99 20 46 Baskakov, V. 96, Bastien, Paul 82 Andreyev, S. V. 97 Baumann, E. 87 Andreyeva, A. G. 96 Baumann, M. Andreyeva-Galanina, 6 Bayevich, V. M. 136 Ye. Ts. 155 Bazhanov, L. N. Andryanov, V. M. 166 Becker, E. W. 159 Andryukhina, E D. 112 Beelitz, P. 44 Angelis, Karel 83 Beklemishev, K. V. 38 Anghel, Valeriu 22 Belchev, K. Anichkov, S. V. Antonov, V. S. 139 Belegishanin, Nataliya 104 124 Belen'kiy, Ya. E. 115 91 Apel'bayum, L. O. 168 Beletskiy, V. V. 51 Apostolou, El. 57 158 Belobrov, I. F. Arata, Y. 16 37 84 Belov, P. A. Armencoiu, N. 150 Belyayeva, E. I. Artsishevskaya, E. K. 153 Benesovsky, F. 148 Asada, M. 142, Bernard, J. 148 Asanuma, E. 71 Bertolini, Renato Aschoff, J. 145 Berval'd, D. A. 19 149 Astrov, Ye. I. 123 Berzon, I. S. 89 Atamanenko, N. N. 165 Bethe, H. 94 Atroshchenko, V. I. Beyrich, W. 166 19 Auezov, M. Bibron, R. 110 99 Aures, D. 166 Bier, K. 11 Avtorkhanov, A. A.

106

96, 97

Ayzenberg, G. Z.

Azou, Pierre

Biesalski, P.

Birsan, Tr.

145

41

m1			
Blaga, N.	37	Chang, Chen	52
Blagonravov, A. A.	169	Chang, Chun-min	65
Blokhintsev, D.	166	Chang, Hu-ch'en	<del>5</del> 4
Blomquist, Bernt	148	Chang, I-feng	69
Blotko, Kazimierz	34	Chang, Lin-chih	61
Bochow, H.	128	Chang, Lo-fung	
Bodnar, Laszlo	29	Chang, Wei-shen	95
Boer, W.	128	Chao, Min	141
Bogacki, Henryk	35	Chao, P'eng-feng	62 60
Bogdanoff, Alexander	<b>1</b> 8		60
Bogdanov, M. N.	94	Chao, Sung-ch'iao	55
Boghici, Aurel		Chao, Ting-chien	65
Boguslawski, Zbigniew	39	Chao, Yuan	66
Bohn, H.	32	Charon, J.	164
Bolayrev, P.	157	Chegodayev, D. D.	92
Bolten, Josef	6	Ch'en, Hsing-pi	109
Poncent Town	120	Ch'en, Yuan-liang	66
Bongrand, Jacques Ch.	96	Chepelevetskiy, M. L.	9 <del>4</del>
Bono, Francesco	<b>.</b> 73	Cherkasov, B. A.	75
Borisov, V. D.	140	Chernyak, G. Ya.	117
Born, M.	166	Chi, Tai	65
Borodin, V. P.	132, 134		61
Boyarskiy, A. Ya.	9	Chiang, Ch'un-fang	60
Bozgan, Aurel	39	Chiang, Ming	59
Breger, A. Kh.	103, 158	Ch'ien, San-ch'iang	156
Breton, C.	164	Ch'in, Mu	68
Brodersen, Th.	48	Chin, Yin-ch'ang	141
Brodskiy, A. M.	86	Chirkin, N. M.	108
Bryanskaya, E. K.	89	Ch'oe, Hak-su	63
Brzostowski	31	Chogovadze, G.	
Brzozowski, Janusz	30	Ch 'ong	19 62
Buchner, W.	97	Chou, Keng-sheng	63
Bugorkova, N. A.	92	Chou, P'ei-yuan	62
Bukhvostov, I. G.	5 <del>7</del>	Chudzynski, Marian	163
Bulatnikova, Yu. I.	9i	Chukoshnikov, P. L.	32
Bumba, V.	79	Cindea, Ion	152
Bune, N. Ya.	91	Ciu, Qibrie	38
Burdo, O. A.	77		<u>1</u> 11
Burghoff, H.	166	Ciuffo, G.	146
Buszma, Eugeniusz		Consoli, T.	164
Buyanova, O. F.	3 <u>1</u>	Constantinescu, A.	40
Bykova, Z. A.	137	Copik, Henryk	31
Bystrova, N. A.	83	Cornelissen, J.	<i>9</i> 7, <i>9</i> 8
Dystrova, N. A.	134	Costescu, I.	39
2		Creutzfeldt, O.	145
- C -		Csikes-Nagy, Bela	29
Computes P		Czajkowski, St.	33
Camerino, B.	100	Czike, K.	129
Catsch, Alexander	166		•
Chalaya, L. Ye.	137		
Chalyi, V. P.	104		

Daisuke, Kuroiwa	1.00	_	
Dal'nov, S. M.	129	Ebert, M.	146
Damanskaya, L. Yu.	156	Efimov, A. I.	92
Danilov, S. N.	82	Egorova, N. F.	90
Danilos W T	93	Klinson, S. V.	90
Danilov, V. I	-//	Em, A. P.	88
Danishevskiy, S. K.	156	Emelyanov, V. M.	118
Datskevich, A. A.	90	Epshtein, Ya. A.	137
Davidenkov, N. N.	150	Epshteyn, V. L.	108
Davydova, S. L.	94	Ermakov, V. S.	151
Dediu, Aurel	5 <b>7</b>	Erofeyev, E. A.	88
Dekabrun, I. Ya.	105	Erozolimskiy, B. G.	116
de Magondeaux, L.	110	Espagno, Lucien	
de Magondesux, R.	110	Essenwanger, Oskar	96, 97 110
Demidov, A. M.	155	Eyuboy, R. E.	
Derbeneva-Ukhova, V. I	P. 136	<b>V</b> 2, 2 2	85
Detlar, T. A.	140	- F -	
de Ziegler, Jean-R.	72	- r -	
Dias, Manuel Affonso	51	Fan, Hung	•0
Dimitrov, Dimitur Y.	22	Fan, Sun-fan	58
Diney, Lyubomir	47	Factorchorn P T	57
Dionyesov, S. M.	131	Fastovskaya, E. I.	137
Dirks, W.	112	Fatova, L. V.	. 9
Dmitryevskiy, V. P.	155	Favarger, P.	144
Dobkina, B. M.	90	Favre, Jean	118
Dobrov, Ye. V.		Feigin, L. A.	159
Dobryanskiy, A. F.	107, 161		105
Doehring, H.	127	Feng, Yu-lan	66
Dokuniu, A. V.	27	Fesenkov, V. G.	3.27
Dolbnin, T.	121	Fetisov, M.	19
Dolejsi, V.	140	Fetisova, M. M.	149
Dolginov, S. Sh.	21	Fiamengo, Ante	44
Dongmoreles at a	123	Fick, Adolf	165
Dombrovskiy, N. G.	_5	Fick, Bronislaw	<u>31</u>
Dombrowski, Eric	72	Fiebiger, F.	166
Dragan, I.	41	Filaretos, Dem.	50
Dragos, T.	40	Filatova, Z. A.	83
Dreyer, A. A.	125	Filippoto, Wladyslaw	30
Drinberg, A. Ya.	8 <b>7</b>	Finkel'shtein, A. I.	91
Drutman, Z. S.	92	Fischer	ııı
Dubinin, N. P.	136	Fischer, Dora	18
Duchene, H.	142	Fischer, Hans-Joachim	110
Duhnea, D.	37	Flid, R. M.	86
Duinea, N. D.	38	Flohn, Hermann	127, 128
Dumitrescu, M.	fιο	Florovskaya, V. N.	123
Dvorkin, S.	16	Fodor, P. C.	129
Dziunikowski, K.	121	Fogel', A. A.	115
			-L)

Forneris, R.	<del>99</del>	Gokhahtein, D. P.	163
Fradkin, G. Ye.	139	Golaski, Jamusz	47
Frank, G. A.	2	Gol'danskiy, V. I.	156
Fraukina, G. P.	90	Gol'dfarb, D. M.	139
Freitag, W.	81	Golubtsova, R. B.	152
Frejacques, C.	156	Gonebarenko, V.	17
Fromm, E.	97	Gorbachev, S. V.	162
Fra <b>mi</b> n, I. I.	115	Gorbachev, V. M.	161
Fu, Tseo-sin'	57	Gordeyeva, L. T.	150
Fuchs, W.	97	Gorelik, S. S.	86
Fukami, A.	110	Goreshin, K. P.	10
		Gorev, N. A.	-6
- G -		Govorov, A. I.	140
		Graffi, A.	145
Gaidukov, M. G.	87	Grassmann, P.	98
Gajkovicz, Aleksander	30	Grdina, Yu. V.	150
Gajowski, Stanislaw	32	Grebenshchikov, S. E.	159
Gak, G.	11	Grigolyuk, E. I.	160
Galperin, Yu. I.	168	Grigorov, V. A.	8
Galy, P.	142	Grigor'yev, A.	Ğ
Garavaglia, C.	157	Grochowski, Wieslaw	33
Garay, K.	143	Grodecki, Jerzy	35 35
Gavrilescu, Gh.	37	Groshev, L. V.	155
Gavrilov, G. P.	130	Gryaznova, A. S.	- 88
Gavrya, N. A.	94	Guba, G.	143
Gebhardt, Erich	153, 154	Guentzel-Lingner	169
Gebhardt, H.	25	Gukasyan, M. G.	
Gebhardt, Leiser R.	25	Gundermann, Erich	9 98
Gelfand, I. M.	130	Gur'ba, P. K.	121
Geminov, N. N.	116	Gurevich, L. E.	80
Genin	51	Gurvich, L Ya.	87
Georgescu, Nicolae	57	Gusev, V. M.	83
Georgii, A.	145	Gusev, Yu.	15
Gerashchenko, N.	18	Guseynov, D. Yu.	135
Gerlach, J.	144	Gutzmann, Erwin	43
Gerling, E. K.	122	Gysling, H.	98
Geschka, Hugo Werner	120		•
Gfeller, C.	165	- H -	
Gheorghiu, Nicolae	37		
Ghica, Gh.	36	Ha, Dang	58
Gimmy, J.	145	Haase, G.	167
Gipro, Miroslav	45	Habermann, E.	144
Glazov, A. A.	155	Hagberg, Sven-Axel	48
Glembotskiy, V. A.	85	Hajduk, Henryk	32
Glezer, V. G.	126	Hamano, Y.	147
Glocker, R.	165	Hanke, P.	25
Goecke, E.	120	Harel, J.	142
Goernandt, Klaus	73	Hasegawa, Mankichi	129
	- <del>-</del>	• ,	

147

22

59

124

83

69

61

163

165

157

164

95

143

25

142

157

54, 61

Hronsky, Michal

Hsiao, Te-chou

Hsu, Hsin-hsuch

Hsu, Hsueh-hui

Hsin-yuuan

Hsu, Hsing

Hu, Sheng

Huber, O.

Hubert, P.

Hudecek, S.

Huguier, J.

Hunnig, E.

Huppert, J.

Hussel, L.

Hurlimann, T.

Huber, P.

Hu, Tsu-hua

Jaeger, Charles 119 Jammet, H. 143 Jasinski, H. 47 Jaslar, Mieczyslaw <u>31</u> Jerden, A. 71 Josmes, Victor 71

- J -

107

Ivantsov, V. A.

- K -		Khristov, Khr. Ya.	159
Vo 14	./-	Khydyakov, G. N.	160
Kaganer, M. G.	163	Kichanova, I.	19
Kajfasz, Stanislaw	32	Xida, K.	154
Kakiuchi, Y.	102	Kieffer, R.	153
Kalashnikova, V. I.	162	Kiepurski, Wladyslaw	31
Kalenov, V. P.	<b>86</b>	Kierski, B.	32
Kallabis, Heinz	43	Kim, Chang-yon	64
Kallee, K.	98 - 26	Kim, T'ae-yeng	63
Kalyada, T. V.	136	Kipis, L. V.	162
Kamor, N.	5	Kirgyasev, V. I.	92
Kanimetov, A. K.	2	Kirov, S. M.	140
Kapkowska, Olga	31	Kiselev, I. N.	170
Kaplan, A. S.	8	Kiyose, R.	157
Kaptyug, I. S.	151	Kjems, H.	118
Karachiviev, V.	<u> 44</u>	Klamroth	27
Karakulov, I. K.	140	Klein, Johann Kurt	1.2
Karapetyan, V. M.	<u>, 9</u>	Klemm, Alfred	TT3
Karger, Adolf	47	Klimenko, A.	3
Kariyone, T.	83	Klimov, N. A.	114
Kartushin, P. A.	132	Kling, R.	103
Kasamtsu, A.	145	Klinger, H. H.	111
Kashubskiy, L.	3	Klinker, L.	169
Kast, W.	99	Klopfer, A.	167
Katina, N. F.	87	Klyagina, N. S.	150
Kaufman, V. P.	6	Knunyants, I. L.	85
Kaulbars, E.	24	Koch, A.	167
Kayushin, L. P.	135	Koch, G.	81
Kazachevskaya, T. V.	79, 80	Kocheshkov, A. A.	124
Kazachkov, I. P.	152	Kocheva, L.	95
Kazakov, A. V.	126	Koehler, Guenther	56
Kazarinove, M. I.	161	Koelsch, F.	146
Kaznacheyev, Yu. I.	109	Koeppen, H.	11,2
Kehler, H. Keim, Hubert	167	Kolbig, J.	123
	145	Kolesnikov, G. S.	94
Kellina, O. I.	137	Kolev, N.	22
Kemper, F.	144	Kolm, H.	146
Kenessey, Zoltan	30	Kolomenskiy, A. A.	107
Kenji, Asakawa	56	Kolotyrkin, Ya. M.	91
Kern, V. G.	92	Kolpakova, V. V.	170
Keropyan, K. K.	116	Komkov, A. M.	75
Khamskiy, E. V.	94	Kondin, S. R.	2
Kuan, G. A.	9	Kononovich, E. V.	80
Kharalampiyev, G.	42 90	Korol'kova, T. A.	138
Khatanaka, Takeo	80	Korycinski	31
Knimushin, F. F.	149	Koshevnik, A. Yu.	92
Khiznniak	82	Koshkin, N. V.	93
Khomikovskiy, P. M.	103	Kostin, M. I.	1

		Langhans, Kurt	111
Kos <b>yrev, Ye.</b>	1.7	Ianin, N. D.	<b>10</b> 7
Koval'skiy, A. E.	89	Lapin, B. A.	135
Kowalski, Ewald	34	Lapir, E. S.	86
Kozlov, V. V.	89	Innianar. O. V.	161
Kozlyaninov, M. V.	126	latinek, J.	96
Kozyrskiy, G. Ya.	150	Lattey, R.	153
Kramer, D.	25	Lauter, E. A.	169
Krapivner, L. M.	20	Lebedev, V. I.	162
Krasovskiy, V. I.	168	Lebedinskiy, A. I.	8¢
Kieuter, E.	25	Leblanc, G.	75
Kriehmar, S. I.	91	Leconte, M.	142
Krolokowski	31	Lee, Kyong-yong	<del>6</del> 3
Kromery, V.	96	Leont'yev, L. A.	20
Kropacheva, E. N.	93	Lepin, G. F.	160
Krutzch, Johannes	165	Lesz, Mieczyslaw	. 31
Kryvelov, I.	19	Leszcynski, Z.	104
Krzyzanowski, Francis	z <b>ek</b> 30	Lettre, H.	99
Kuan, Chao-chih	54	Levin, S. L.	152
Kuan, Chia-jui	55	Leykina, Ye. S.	137
Kuan, Meng-chueh	53	Leyzerman, V. Yu.	8
, -	0-	heyzermon, v. 1	
Kucherov, V. F.	85	fd Wenn	153
Kucheruk, V. V.	132, 13 <sup>4</sup>	Li, Hsun Li, Jen-chih	53
Kudryavtsev, G. I.	94	Li, Kwang-sil	63
Kuehn, Udo	110	Li, Pin	54
Kulebakin, V. S.	114	li, Tsai-yun	55
Kulibaba, Yu. F.	82	Liang, Hsiang	54
Kulik, G.	7	Lichtenheld, F. R.	145
Kume, Yasuzo	102	Lifshits, Ya. F.	152
Kunchev, N.	<del>1</del> 15	Lindner, R.	99
Kuntscher, G.	146	Lintner, K.	158
Kalo, Ch'eng	54		4
Kuo, Lin	66	Lipin, B. V. Lipsits, D. V.	82
Kuo, Shao-t'ang	64	Liu, Cho-fu	55
Kurnosova, L. V.	77		59
Kurtepov, M. M.	88	Liu, Chou Liu, Kuan-ch'ing	69
Kutacek, Milan	153	Liu, Ting-i	61
Kuz'mov, P. N.	6	Liu, Tzu-chiu	58
Kuznetsov, A. I.	124 ,	Liu, Wei-ch'in	141.
Kuznetsov, V. I.	152	Liu, Yung-ch'uan	171
Kuznetsovym, V. A.	82	Liylpeter, Ya.	115
<b>-</b>		Lohss, F.	98
- L -		Loshchilov, A.	17
	a.l. e	Loshkarev, V. F.	152
Lacour, F.	142	Lu, Chen-yu	59
Lacour, J.	142	Lu, Pel-chang	95
Lakernik, M. M.	1	In, Ting-i	66
Langendorf, H.	156	141' TIMO. ~	
<del>-</del>			

Lubomirska, J.	2/1	Masironi, R.	147
Ludwig, W.	166	Maslov, V. P.	123
Lugovenko, S. P.	125	Mastoff, H. Kasten	-28
Lukasiak-Wardzinska, H.	104	Mathe, G.	141, 142,
Lukaszewicz, L.	112	· · · · · · · · · · · · · · · · · · ·	143
Izkin, A A.	107	Mathe, Georges	142
Luk'yanov, P I.	116	Matula, E.	33
Lundqvist, G.	48	Matveyev, B. K.	126
Lutjens, G.	113	Matveyev, K. I.	141
Lutsenko, D. L.	155	Matveyev, P. S.	4
L'vov, G. K.	151	Matzke, H.	
Lyashenko, V. S.	155	Mauks, Jan	99 46
Lyudkovskaya, R. G.	135	Mauze, J.	142
Lyulicheva, N. N.	151, 152	Mavric, Stefan	41
aguaritation, in in	1)1, 1)0	Mayants, A. D.	3
- M -		Medovar, B. I.	149
- 14		Medregan, S.	38
Ma, Ta-chun	66	Medvedev, S. S.	103
Macavei, Gh.	40	Meier, K. F.	120
Maderna, C.	147	Mel'nikov, N. N.	93
Magnus, W.	164	Menzel, E.	154
Maier, Z.	86	Merz, E.	165
Maimin, Z. L.	127	Messmer, K.	153
Majewski, Stanislaw	34	Meyer, K.	121
Makarov, N. I.	134	Meyer-Lohmann, J.	145
Makarova, E. P.	134	Meyerson, G. A.	~84
Makhover, Z. M.	124	Mgebryan, O. I.	ěë
Maki, M.	102	Mgo, Duy Dong	58
Meksimadzi, A.	5	Miclea	41
Malek, J.	વર્વ	Mihalevici, R.	46
Malik, Miroslav	33 47	Mikhailov, B. M.	84, 85
Malinkina, E. I.	117	Mikhaylov, A.	109
Malinovskiy, E. I.	<u>8</u> 6	Mikhaylov, B. M.	9ó
Malysheva, A. Ye.	139	Mikhaylov-Mikheyev,	•
Manca, C.	146	P. B.	159
Manea, Gh.	38	Miklukho-Maklay, A. D.	127
Manoliu, Theodor	41	Milikhin, A. Ye.	57
Mansfeld, W.	110	Milov, B. G.	89
Manukovskaya, J. G.	93	Minkevich, A. N.	151
Manzke, E.	25	Minorski, S. I.	42
Mardashev, S. R.	123	Mirtov, B. A.	80, 1 <b>6</b> 8
Margolis, E. I.	90	Misek, T.	96
Markovskiy, N. I.	123	Misztal, Stanislaw	32
Markus, E.	25	Mocanu, C.	36
Marquardt, K.	145	Mogilevskiy, E. I.	77
Martens, B. K.	82	Moiseyev, N. N.	16ì
Maruo, Ĥ.	158	Montens, A.	120
Masek, Jiri	95	Moravskiy, V. E.	117
-	•		-

ت بلاد . . .

Mori, G. Morikawa, K.	148 103	Nikitina, N. A. Nikolskiy, A. P.	132, 133 76
Morozov, A. N.	152	Nikol'skiy, G. M.	<b>77</b>
Moskalevski, T.	34	Nikulenkov, A.	14
Moureu, Charles	96	Misel'son, L. A.	92
Moutet, A.	164	Wishigari, 3.	··154 ·····
Moyer, K.	120	Nishiguchi, K.	158
Mozzhukhin, A. S.	139	Hishikawa, K.	180
Mozzhukin, E. I.	86	Nishivaki, Y.	147
Mueller, Gregor	42	Nomi, H.	158
Mueller, R.	120	Novikov, M.	3
Munteanu, Ion	37	Novikov, O.	5
Murashov, A. M.	114	Novoselov, V. S.	118
Murav'ev, I. M.	125	Novoselova, A. V.	92
Mirav'yeva, A. Z. I.	134	Novotny, Jan	118
Muresan, G.	41		
Mustel', B. R.	76, 78, 127	- 0 -	
Myasnikov, P. A.	3		- #1
		Oberhettinger, F.	164
- N -		Oda, R.	101
		Oding, I. A.	160
Nadaud, L.	164	Oganyan, R. A.	9
Nagorskiy, V. D.	114	Ohashi, K.	101
Nagorskiy, V. S.	114	Ohashi, Shigeru	100
Nakamura, S.	<b>15</b> 8	Oike, H.	158
Naumann, H. H.	157	Okado, M.	158
Naumov, Nikola T.	44	Ol', A. I.	76, 77
Nazarenko, G. T.	151	Olaru, Vasile	39
Nazarov, I. N.	94	Olsuf'yev, N. G.	132, 133
Nazarov, S. T.	10	Olszak, Stanislaw	35
Nedekov, Iliya	22	Omel'yanovskaya, N. M.	84
Nefedova, I. N.	133	Omura, M.	158
Negres, Ludovic	41	Oniceanu, V.	39
Nei	148	Oniga, Emil	39
Neidhardt, P.	112	Onika, D. G.	121
Neimysheva, A. A.	94	Orekhovich, V. N.	139
Nekhendzi, Yu. A.	86	Orlov, B. D.	152
Nemchenko, V. I.	126	Osipov, A.	20
Nemirova, Ye. K.	78	Ostrykau, M. S.	163
Neshpor, Yu. I.	<del>7</del> 9	Otto, Werner	11.1
Nesmeyanov, A. N.	85	Oyama, A.	157
Nesterova, Z. N.	ź	Ozaki, Shotaro	56
Neumann, Heinz-Gunter	128	Oznobin, N.	6
Nevskiy, N. A.	14	•	
Nicovescu, Koria	41		
Nikitin, A. A.	<b>7</b> 8		
Nikitin, M. K.	161		
Nikitin, V. N.	84		
112020249 1 - 11 -	<b>~</b> .		

- P -		Popowicz, J.	1 <b>04</b> 146
		Porro, A.	152
Pacha, J.	23	Povolotskiy, D. Ya.	16
Pack, Man-su	63	Pozdnyakov, I.	
Pai, Ju-ping	. 55	Poznyak, L. A.	115
Pak, Chong-sun	<del>S</del> 4	Preisendans, Hans	<b>153</b>
Palotas, Zoltan	29	Prikhod'ko, P.	58 06
P'an, Mou-yuan	68	Pristavka, D.	96
Panait, Ion	41	Prokopovich, A.	5
Panteleyev, P. A.	135	Protopapadakis, Aristid	
Panu, I. H.	104	Prusa, Jan	22
Pao, Ch'ing	69 38 38 26 38	Prussak, H.	25
Partene, Ana	<b>3</b> 8	Przewłocki, K.	129
Patriciu, Mihai	38	Puchkov, A	3
Paul, F.	26	Pushkov, N. V.	123
Paun, Aurel	38		
Pavlov, G. N.	138	- R -	
Pavlushenko, I. S.	95		
Pchelin, V.	ũ	Rabey, A.	153
Pelekhov, V. I.	155	Rabinovich, B. N.	116
Pendic, B.	143	Rabinovich, M. S.	107
Perov, G. I.	108	Rachinskiy, F. Yu.	139
Pervacheva, T. D.	170	Radinovich, M. S.	159
Petrov, K. A.	94	Radulescu, Dutu	41
Petrov, V. G.	133, 135	Radzievskiy, V. V.	<b>77,</b> 78
Petrova, L. A.	89	Raeuber, A.	128
Pfau, A.	157	Raizer, M. D.	159
Philipps, H.	28	Raseyev, Sergiu	39
Pietroiu, Gheorghe	39	Rasroyev, V.	108
Pines, B. Ya.	149	Rau, H.	28
Pisareva, N. V.	15 <b>1, 15</b> 2	Raush, H.	121
Plisko, E. A.	93	Razga, Valerian	22
Pliyer, S. B.	115	Razumova, Ye. P.	137
Plodowski, Tadeusz	<u>-2</u> 8		170
Podkletnov, N. E.	89	Rebinder, P. A.	27
Pogodin-Alekseyev, G.		Reiche, J.	29
Pogosyan, Kh. P.	124	Reisz, Jozsef	128
Pohl, Hans-Joachim	112	Reiter, Reinhold	127
Poliakov, I. Ya.	82	Reitlinger, E. A.	27
=	116	Reitmann	<i>/</i> _
Polishchuk, A. P.	163	Reksodihardjo, Sarimin	. 02
Polonskaya, F. M.	162	Reshetina, S. V.	26
Polyakov, P. M.	162	Richter, Manfred	
Pomeranchuk, I. Ya.	76	Riznichenko, Yu. V.	123 82
Ponamarev, Ye. A.		Rodigin, M. N.	
Ponomarev, B.	11	Rog, Piotr	91 34
Ponomarev, E. A.	77	Roginskaya, Ts. N.	124
Ponomarev, K. I.	116	Rogozhkin, V. I.	
Fopov, E. M.	94	Romanchyva, O. D.	19
Popov, V. E.	4	Romanovskiy, I.	130, 140

Romashkin, Yu. P.	159	Schwarzenbach, G.	<b>9</b> 8
Rostovtsev, S. T.	88	Secata, V.	<b>3</b> 8
Rouiller, C.	143	Seghezzi, Hans-Dieter	154
Roujeau, J.	143	Selmaj, Stanislav	33
Royak, D. B.	86	Semeniuc, Ion	46
Rozhdestvenskiy, 8. M.	<u>10</u>	Semanov, B.	107
Rubinshteyn, I. M.	6	Semenovker, I. E.	163
Rusanov, A. K.	162	Semper, W.	24
Rusinov, V. S.	139	Sepp, Ya.	5
Russov, V.	16	Sergeychuk, K. Ya.	5 1
Rutilevskiy, G. L.	126	Serra, A.	146
Rutishauser, E.	143	Sevchenko, A. N.	160
Ryabukhin, Yu. S.	158	Severnyy, A. B.	76, 78,
Rybalko, V. S.	155	•••	79
Rzebik, T.		Sevryukov, N. N.	ì
150722, 11	<del>J=</del> , J.	Sha, P'ing	53
- S -		Shamina, O. G.	123
- 5		Shao, Chin-fu	62
Sadovnichiy, N. P.	10	Shao, Wen-shih	62
Sadowskiy, V. D.	87	Shapiro, I. S.	3
Safronov, A. Ya.	159	Shavlovskiy, I. V.	161
Sagaydak, N. D.	136	Shchegoleva, T. A.	85
Sakaushi, E.	148	Shchukin, Ye. D.	170
Sakurada, K.	148	Shein, A. S.	150
	138	Sher, V.	107
Samsonov, G. V.	154	Sheremetyev, G. D.	160
Samsonova, A. P.	134	Shestakov, V. I.	87
Sandulescu, Sergiu	37	Sheynker, Yu. N.	170
Sarkisyan, L. A.	155	Shih, Tung-hsiang	61
Sarrica, O.	129	Shilov, C. E.	130
Sava, I.	46	Shimamura, T.	101
Savich, N. A.	79	Shimanovich, S. V.	1,
Savitch, V. V.	138	Shipitsina, N. K.	137
Sazonik, Kh. V.	82	Shklovskiy, I. S.	1 <b>6</b> 8
Schalen, G.	81	Shklovsky, I. S.	78
Schastlivtsev, P. M.	8	Shmakov, P.	108
Schchukaryev, S. A.	92	Shorin, S. N.	155
Schilbach, Kurt	110	Shpigel, I. S.	159
Schild, R.	25	Shrayber, D. S.	10
Schmahl, D.	144	Shumkin, B. N.	140
	128	Shumskiy, P. A.	122 ,
Schmid, E.	158	Shuraleva, M. V.	19
Schmid, P.	157	Sichikov, M.	10
Schmitt, Gunter	26	Siderov, B. N.	136
Schnadel, G.	119	Simonyan, G. A.	6
Schneider, G.	167	Skalicky, L.	96
Schrade, H.	28	Sklubal, Zdenek	24
Schubert, Manfred	111	Skobets, E. M.	89

Slavachevskaya, N. M.	139	Surmazhab, B.	57
Slepian, S. G.	42	Suzuki, S.	101
Smirnov, I.	138	Svetlitskiy, E. M.	168
Smolenskiy, G. A.	159, 160	Svetlov, P. G.	139
Smoler, I.	96	Swierniak, Jan	35
Smolyarenko, D. A.	8	Syrkus, N. P.	103
Smorodinskiy, Ya. A.	156	Syshchikov, V. I.	151
Snarskiy, A. A.	106	Szmielew, Borys	47
Sochring, K.	144		
Sokol, Zdenek	24	- T -	
Sokolov, A. A.	159		
Sokolov, L.	5	Taguchi, Ch.	100
	136	Takagi, T.	103
Sokolov, N. N.	16	Takayama, Yuji	100
Sokolov, V.	\$	Takeuchi, T.	147
Sokolova, Ye. A.	>	Taki, Sachiko	180
Sokolova-Ponomareva,	137	Tambovtsev, S. P.	114
0. D.			154
Sokolovskiy, V. V.	138	Tenaka, M. T'ang, Shou-i	52
Soroko-Novitskaya, A. A	10.101	Tank, L. I.	139
Sors, Ch.	143 116		109
Sosnenko, M. N.		Tarantsov, A.	161
Spano, Velio	72	Tarasenko, F. P.	123
Spasskiy, A. G.	150	Tareyev, B. A.	147
Spitsyn, M. A.	135	Tateiva, M.	
Stammreich, H.	99	Tatomir, Emil	42 118
Stancu, M.	40	Teissier, Pierre	
Stankevich, O. F.	118	Temkin, M. I.	91
Stastny, Jaroslav	22	Teng, Tai-yuan	58
Steszewski, Romuald	33	Terentyev, A. P.	88
Steinhauer, O.	153	Terentyev, D. F.	87
Stejskal, Ladislav	22	Termet	142
Stepanov, A. S.	82	Tesser, K.	167
Stepanov, V. Ye.	78, 79,	Tetsuro, Murakami	167
	80	Thuemmler, K.	26
Stepinski, Mieczyslaw	34, 35	Timakov, V. D.	139
Sterkin, A. M.	8	Titov, M.	17
Strekov, I.	11	Trachenko, A. A.	161
Streng	27	Tobiasz, Waclaw	35
Strizova, A.	45	Tokio	148
Strogies, Ch.	27	Tolkachik, S. V.	115
Strom, J.	148	Toropova, V. F	91
Stronskiy, N. N.	4	Toshiyuki, Sugino	100
Strygen, A.	20	Touraine, R. G.	142
Styrikovich, M. A.	163	Toye, Hiroshi	1.00
Sumgin, M. I.	122	Trufasu, Ionel	38
Sun, Hung-chih	54	Trushinskiy, A. N.	82
Sun, Kang	55	Tsakbayev, G. A.	138
Supron, L F.	12, 13	Ts'ao, Ti-ch'iu	52
_ <i>-</i>			

Tseng, Chun	<b>6</b> 8	Volkov, E. N.	158	
Tseydler, A. A.	8	Volodkovich, S. D.	93	
Tsukerman, S. A.	152	vor dem Eache, W.	153	
Taytovich, N. A.	122	Yorob'yev, N. N.	130	
Tu	124	Varob'yer, V. G.	149	
Tul 'kes, S. G.	158	Vrany, Jan	<b>2</b>	
Tulupova, N. L.	8	Vsekhsviatskiy, S. K.	77	
Tumanov, I. I.	<u> </u>	Vu, Van Can	64	
Tyunkov, G. S.	91	Vyacheslavov, P. M.	149	
TJunaov, a. o.	/-	Vyskoc, Josef	23	
- U -		- W -		
Ueda, S.	101			
Ueno, Takeo	56	Wachsmann, F.	156	
Ulybin, G. N.	151	Wacker, A.	146	
Urakava, K.	10C	Wagner, E.	26	
	40	Wagner, R.	157	
Urseamı, V.	70	Wang, Chien-sheng	62	
- V -		Wang, Hung-ch'en	141	
- , -		Waterman, H.	97, 9	98
Manak T	153	Waterman, J. A.		98
Vacek, J. Vacha, Vladimir	24	Wei, Liang	62	
	43	Weiss, G.	98	
Vadasz, Ferenc	103	Wenderoth, H.	99	
Vainshtein, B. I.	153	Werle, E.	9 <del>9</del>	
Valenta, Miloslav	29	Werner, Sven	166	
Varga, Gyorgy	73	Wesolowski, Jerzy	36	
Vargas, Cuellar	43	Westphal, Gunter	26	
Vasilev, Kiro Hadzi	116	Wild, H.	165	
Vasil'ev, M. M.			157	
Vasilevskaya, D. P.	155	Winkler, H. Winkowski, J.	112	
Vasilkova, I. V.	92	Witkowski, J.	32	
Vaz-Ferreira, A.	145 164	Wloczewski, Ferdynand	31	
Vdret, C.	114		97	
Vedishchev, A. I.	169	Wolff, G. Wollemborg, Leo J.	72	
Velimirovich, Mihailo	161	Won, Hong-bin	57	
Veller, A. Ye.	17	Wrezel, Marian	35	
Vendrov, S. L.	_			
Veynov, K. A.	1 143	Wrobel, Seweryn	33 62	
Veyrat, R.	40	Wu, Heng	68	
Vieru, A.		Wu, Yao-tsung	96	
Vigdorovich, V. N.	7	Wunsch, L.	,,,	
Vilter, H. A.	169	- Y -		
Vinarov, S. M.	150	- 1 -		
Vitoviova, M. I.	89	Yokhantan 7 N	170	
Vlad, Alexandru	37	Yakhontov, L. N.	5	
Viad, P.	41	Yakobson, M.	92	
Vladziyevskiy, A.	5	Yakolev, B. V.		
Vol'fkovich, S. I.	89	Yakovkin, N. A.	77	

Yakovlev, A. G. Yakovleva, V. I. Yakovleva, G. S. Yakovleva, L. A. Yamaji, Kenji Yamamoto, Takeo Yamashita, Y. Yamolova, N. S. Yanchev, Ya. Yang, Hsiu-feng Yang, Wei-ping Yanishevskiy, A. V. Yavich, L. S. Yefimov, Ye. Yegorova, N. B. Yelkina, I. Yerofeyev, A. V. Yeryushev, N. N. Yong-su, O. Yordanov, N. Yoshimoto, C. Yovchuk, M. T. Yu, Chao-yuan Yu, Ch'iu-li Yu, Sui-an Yung, Nu Yvon, P.	69, 70  124  91  135  129  129  101  133  42  68  53  95  20  106  127  131, 132  107  79  64  95  148  20  59  60  59  130  164	Zhukov, A. A. Zhukov, K. V. Zielinski, Andrzej Zigan, F. Zigura, I. Zimen, K. B. Zimin, V. A. Zimmermann, Aladar Zindler, K. Zolin, V. F. Zopan Zubelewicz, M. Zubelewicz, M. Zugravu, F. Zumach, W. Zverev, F. P. Zyablitakiy, I. I. Zyungo, Yoshida	151 2 33 166 15 166 30 128 109 113 32 122, 124 46 157 12, 13 126 167
---	--	---	--

- 2 -

Labozlayeve, E. A. Zabrodina, A. S. Zabrodkin, A. B. Zagorets, P. A. Zakusov, V. V. Zaplatin, N. L. Zaplatin, N. L. Zaplavnyy, A. Ya. Zarakhani, A. I. Zarodov K. Zbyszeicz, Zbigniew Zelenii, G. P. Zelenkevich, G. Zelicho, Jan Zhabotinskiy, M. E. Zhakishov, A.	137 90 84 162 139 155 2 9 18 32 138 108 33 109
	10
Zhavoronkov, N. M. Zhigach, A. F.	170 88

## COVER-TO-COVER TRANSLATIONS

(Received during January)

Astronomicheskiy Zhurnel, Vol MXVI, No 2, 1959.	Sov Astron-AJ Vol III, No 2
Astronomicheskiy Zhurnal, Vol XXXVI, No 3, 1959.	AIP Sov Astron-AJ Vol III, Mo 3
Biokhimiya, Vol XXIV, No 2, 1959.	СВ
Byulleten' Eksperimental'noy Biologii i Meditsiny, Vol XIVII, No 5, 1959.	СВ
Doklady Akademii Nauk SSSR, Geological Sciences Sections, Vol CXXII, No 1-6, 1958.	СВ
Doklady Akademii Nauk SSSR, Geological Sciences Sections, Vol CXXIII, No 1-6, 1958.	СВ
Doklady Akademii Nauk SSSR, Biochemistry Sections, Vol CXXVI, No 1-6, 1959.	AIRS
Doklady Akademii Nauk SSSR, Biological Sciences Sections, Vol CXXVI, No 1-6, 1959.  Doklady Akademii Nauk SSSR, Botanical	AIBS
Sciences Sections, Vol CXXVI, No 1-6, 1959.	AIBS
Doklady Akademii Nauk SSSR, Physics Section, Vol CXXVI, No 1-6, 1959.	AIP Sov Phys-Doklady Vol IV, No 3
Fiziologicheskiy Zhurnal SSSR, imeni I. M. Sechenova, Vol XLV, No 5, 1959.	PP
Fiziologiya Rastenii, Vol VI, No 3, 1959.	AIBS
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, Vol XXII, No 11, 1958.	Columbia Tech

Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya. No 10, 11, 12, 1958.	AGU .
Meditsinakaya Radiologiya, No 1, 1959, (NY-3427).	CHOPPE
Meditsinskaya Radiologiya, No 4, 1959, (NY-3430).	*JPRS
Meditsinskaya Radiologiya, No 12, 1959, (NY-3436).	*JPRS
Mikrobiologiya, Vol XXVIII, No 3, 1959.	AIBS
Optika i Spektroskopiya, Vol VI, No 6, 1959.	Optical Soc of Amer
Prikladnaya Matematika i Mekhanika, Vol XXIII, No 2, 3, 1959.	PP
Problemy Gematologii i Perelivaniya Krovi, Vol IV, No 1, 1959.	PP
Radiotekhnika, Vol XIII, No 7, 1958.	PP
Tsitologiya, Vol I, No 2, Moscow/Leningrad, 1959, (NY-3458).	*JPRS
Tsitologiya, Vol I, No 3, Moscow/Leningrad, 1959, (DC-3354).	*JPRS
Tsitologiya, Vol I, No 4, Moscow/Leningrad, 1959, (NY-3457).	*JPRS
Tsitologiya, Vol I, No 5, Moscow/Leningrad, 1959, (DC-3355).	*JPRS
Tsitologiya, Vol I, No 6, Moscow/Leningrad, 1959, (DC-3356).	*JPRS
Vestnik Vozdushnogo Flota, No 7, 1959.	ATIC
Voprosy Onkologii, Vol IV, No 4, 1958.	PP
Voprosy Chkologii, Vol V, No 2, 1959.	PP
Voprosy Virusologiy, Vol III, No 5/6, 1958.	PP

Zhurnal Analiticheshoy Khimii, Vol XIII, No 6, 1958.	СВ
Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, Vol XXXVI(9), No 6, 1959.	AIP Sov Phys-JFIF
Zhurnel Mikrobiologii Boidemiologii 1 Immunobiologii, Vol XXX, No 2, 1959.	PP
Zhurnal Prikladnoy Khimii, Vol XXXII, No 1, 1959.	CB
<u>Thurnal Tekhnicheskey Fiziki</u> , Vol XXIX, No 6, 1959.	AIP Sov Phys-Tech Phys Vol IV, No 6
2hurnal Tekhnicheskoy Fiziki, Vol XXIX, No 7, 1959.	AIP Sov Phys-Tech Phys Vol IV, No ?





7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

Morray Latas San for Sergio N. Alcivar

Chief, CIA Declassification Center, Declassification Review and Referral Branch

## Enclosures:

- 1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
- 2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)



## **Processing of OGA-Held CIA Documents**

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

•			1						-	•
OGA Doc ID Job Num Box Fidr Doc	Job Num	Вох	直	1	Doc ID	Document Title	Pub Date Pages	ages	Decision	Proc Date
AD0866011	78-03109A	63	-	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD0866891	78-03109A	64	-	-	146	Consolidated Translation Survey Through 28 February 1970	2/28/1970	237	Approved For Release	3/25/2004
AD0868214	78-03109A	64	-	2	147	Consolidated Translation Survey Through 31 March 1970	3/31/1970	222	Approved For Release	3/25/2004
AD0869588	78-03109A	64	-	လ	148	Consolidated Translation Survey Through 30 April 1970	4/30/1970	225	Approved For Release	3/25/2004
AD0871388	78-03109A	64	<del></del>	4	149	Consolidated Translation Survey Through 31 May 1970	5/31/1970	286	Approved For Release	3/25/2004
AD0872361	78-03109A	64	-	2	150	Consolidated Translation Survey Through 30 June 1970	6/30/1970	339	Approved For Release	3/25/2004
AD0873815	78-03109A	64	-	9	151	Consolidated Translation Survey Through 31 July 1970	7/31/1970	274	Approved For Release	3/25/2004
AD0834385	78-03109A	47	<del>-</del>	4	17	Consolidated Translation Survey For May 1959	6/17/1959	193	Approved For Release	3/25/2004
AD0834386	78-03109A	47	-	2	18	Consolidated Translation Survey For June 1959	7/17/1959	177	Approved For Release	3/25/2004
AD0834387	78-03109A	47	-	9	19	Consolidated Translation Survey For July 1959	8/24/1959	254	Approved For Release	3/25/2004
AD0834388	78-03109A	47	-	7	20	Consolidated Translation Survey For August 1959	9/18/1959	209	Approved For Release	3/25/2004
AD0834389	78-03109A	47	-	8	21	Consolidated Translation Survey For September 1959	10/20/1959	261	Approved For Release	3/25/2004
AD0834491	78-03109A	47	-	თ	22	Consolidated Translation Survey For October 1959	11/16/1959	181	Approved For Release	3/25/2004
AD0834492	78-03109A	47	-	10	23	Consolidated Translation Survey For November 1959	12/22/1959	214	Approved For Release	3/25/2004
AD0834493	78-03109A	47	-	Ξ	24	Consolidated Translation Survey For December 1959	1/20/1960	202	Approved For Release	3/25/2004
AD0834494	78-03109A	47	-	12	25	Consolidated Translation Survey For January 1960	2/25/1960	198	Approved For Release	3/25/2004
AD0834495	78-03109A	47	-	13	56	Consolidated Translation Survey For February 1960	2/1/1960	248	Approved For Release	3/25/2004
AD0834496	78-03109A	48	-	-	27	Consolidated Translation Survey For March 1960	3/1/1960	223	Approved For Release	3/25/2004
AD0834497	78-03109A	48	-	2	28	Consolidated Translation Survey For April 1960	4/1/1960	287	Approved For Release	3/25/2004
AD0834498	78-03109A	48	-	ო	59	Consolidated Translation Survey For May 1960	5/1/1960	312	Approved For Release	3/25/2004
AD0834499	78-03109A	48	-	4	30	Consolidated Translation Survey For June 1960	6/1/1960	277	Approved For Release	3/25/2004
AD0834500	78-03109A	48	-	2	31	Consolidated Translation Survey For July 1960	7/1/1960	186	Approved For Release	3/25/2004
AD0834501	78-03109A	. 48	-	9	32	Consolidated Translation Survey For August 1960	8/1/1960	317	Approved For Release	3/25/2004
AD0834502	78-03109A	48	-	7	33	Consolidated Translation Survey For September 1960	9/1/1960	287	Approved For Release	3/25/2004
AD0834503	78-03109A	48	-	8	34	Consolidated Translation Survey For October 1960	10/1/1960	322	Approved For Release	3/25/2004
AD0834504	78-03109A	48	_	6	35	Consolidated Translation Survey For November 1960	11/1/1960	289	Approved For Release	3/25/2004

Page 3 of 10